

1 UNITED STATES BANKRUPTCY COURT

2 SOUTHERN DISTICT OF NEW YORK

3 Case No. 08-13555-scc

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5 In the Matter of:

6 LEHMAN BROTHERS HOLDINGS INC.,

Chapter 11

7 Debtors.

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U.S. BANKRUPTCY COURT

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One Bowling Green

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New York, New York

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November 6, 2014

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9:34 AM

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23 B E F O R E :

24 HON SHELLEY C. CHAPMAN

25 U.S. BANKRUPTCY JUDGE

1 Evidentiary Hearing Re: Doc# 19888 Debtors' One Hundred Ninety-
2 First Omnibus Objection to Claims (Valued Derivative Claims?
3 Filed by Robert J. Lemons on behalf of Lehman Brothers Holdings
4 Inc..

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P R O C E E D I N G S

THE COURT: How is everyone today?

GROUP: Very well. Fine thank you.

THE COURT: Hanging in there? Home stretch?

MR. TAMBE: Absolutely.

THE COURT: All right. We're ready when you are.

Because I had thought we were starting at 10:00 I scheduled a small matter for 10:00 o'clock. Counsel is going to be told that they need to wait until there is a logical break. I'm not going to interrupt the conclusion of the cross or if we're into the direct I'm not going to interrupt that. But I will take literally a three-minute pause for this other matter at some point around 10:00-10:30.

MR. TAMBE: I think we have one housekeeping matter to go over.

THE COURT: Okay.

MR. TAMBE: There is an exhibit we emailed to the Court and to the other side. It's an addition to the debtor's exhibits.

THE COURT: Okay. Thank you.

MR. LAWRENCE: Can I just--?

THE COURT: Okay, I won't look at it yet before Mr. Lawrence tells me what he wants to say.

MR. LAWRENCE: Yes. I don't really care if you look at it. I feel that this is unfair--

1 THE COURT: Okay.

2 MR. LAWRENCE: --to the witness Peter Shapiro. It
3 was one thing to have documents that would be used to cross in,
4 available pre-pretrial so that he could review documents and be
5 prepared. Because this was sent last night and he's under the
6 Court's order to--he can't talk or do anything--

7 THE COURT: Right.

8 MR. LAWRENCE: --this basically being done at 11:00
9 o'clock last night is very unfair to the witness and I'll
10 object on this basis.

11 THE COURT: Okay. Mr. Tambe?

12 MR. TAMBE: I will state that the document we handed
13 up is a document that he authored. It's his document. He
14 should be intimately familiar with it.

15 MR. LAWRENCE: Whether he's familiar with or not, he
16 hasn't had an opportunity to refresh his recollection on it to
17 consider it in advance. He hasn't had the opportunity to, you
18 know, basically prepare for his examination on it. I think
19 it's unfair to throw something at him at 11:00 o'clock at night
20 when's under suppressed--

21 MR. LAWRENCE: Well, it's also part of Exhibit 71
22 which was submitted some time--

23 THE COURT: Okay, why don't--

24 MR. LAWRENCE: If he wants to use 71 then we have an
25 objection to 71.

1 MR. TAMBE: 71 is about two inches thick, but yeah.

2 Fine, we can use 71. Whatever makes you happy.

3 THE COURT: Okay, so that takes care of the unfair
4 surprise element of it.

5 MR. LAWRENCE: Yes.

6 THE COURT: And if there's another objection we can
7 deal with that. Okay. So this is--

8 MR. TAMBE: This is an excerpt from Exhibit 71.

9 THE COURT: So this is now being designated as
10 debtor's 150.

11 MR. TAMBE: We'll just use Exhibit 71, your Honor.

12 There we go. All right, with that we're ready to proceed.

13 THE COURT: Okay. Mr. Shapiro, would you please come
14 back up, sir?

15 MR. SHAPIRO: Certainly.

16 THE COURT: Okay, welcome back. You're still under
17 oath.

18 MR. SHAPIRO: Good morning, your Honor.

19 THE COURT: Good morning.

20 MR. TAMBE: Good morning, Mr. Shapiro. In your
21 rebuttal report Exhibit Y, if you have it there, paragraph 29,
22 you state there that The spread to CP, the 66.6 basis point
23 spread to CP, which was in the calculation in the proof of
24 claim form, you believe it's no longer accurate, correct?

25 MR. SHAPIRO: Correct.

1 MR. TAMBE: Okay. What you say is the methodology
2 that was used by your staff in determining the 66.6 basis
3 points did not take into account actual hedging conditions at
4 the time of the termination. Do you see that?

5 MR. SHAPIRO: I do see that.

6 MR. TAMBE: Okay and this rebuttal report is
7 something you prepared and submitted some time after you were
8 depositioned, correct, your first deposition?

9 MR. SHAPIRO: Yes.

10 MR. TAMBE: And your first deposition was December
11 2013, correct?

12 MR. SHAPIRO: Correct.

13 MR. TAMBE: So it's fair to say that when you were
14 deposed in December 2013 you were not aware of this mistake
15 made by our staff.

16 MR. SHAPIRO: Yeah. I don't like to blame it on my
17 staff. It's, you know, we're all accountable.

18 MR. TAMBE: Well, you may not like to blame it on
19 your staff, but isn't that what you're doing in paragraph 29--
20 the methodology that was used by--?

21 MR. SHAPIRO: My wording may have been a little--

22 MR. TAMBE: Let me finish. Let me finish asking the
23 question.

24 MR. SHAPIRO: Okay, I'm sorry.

25 MR. TAMBE: Isn't that exactly what you're doing in

1 paragraph 29, the methodology that was used by my staff in
2 determining the 66.6 basis points did not take into account
3 actual hedging conditions?

4 MR. SHAPIRO: Yes.

5 MR. TAMBE: Okay. Now you were aware in December
6 2013 when you testified what methodology they had used, right?

7 MR. SHAPIRO: I was aware what methodology they'd
8 used? I believed I was, yes.

9 MR. TAMBE: Right. Let's go to the deposition
10 transcript, December 2013 page 141. It will come up on the
11 screen.

12 THE COURT: Yes, Mr. Lawrence?

13 MR. LAWRENCE: He can use--if he's trying to use this
14 to impeach Mr. Shapiro that's fine, but I don't think he can
15 use it for another purpose and there's no impeachment issue on
16 the table. He's admitted what he said in his deposition so I
17 object to the use of the deposition.

18 THE COURT: Mr. Tambe?

19 MR. TAMBE: With the Court's indulgence, all I would
20 say is wait for it. It's coming.

21 THE COURT: All right. Let's see what happens.

22 MR. TAMBE: So, you were asked about the 66.6 in the
23 deposition. Do you remember that? This is page 141.

24 MR. SHAPIRO: I do.

25 MR. TAMBE: Right. And this is line 10.

1 MR. SHAPIRO: It's showing 114 on my screen here.
2 Should it be 141?

3 MR. TAMBE: It should be 141, December 23.

4 THE COURT: So this is the first deposition.

5 MR. TAMBE: The first deposition. I don't think
6 that's--There we go. We have 141 now, line 10. Now at that
7 time I asked you I believe at one point you testified that
8 adding the 66.6 basis points to the LIBOR curve would work in
9 Lehman's favor, correct? And you said yes. And I asked you
10 now, you didn't use that calculation because you were trying to
11 do a favor for Lehman, correct? You said no--

12 MR. LAWRENCE: I will--I will--

13 MR. TAMBE: --we're not--

14 THE COURT: Mr. Lawrence, let him finish reading what
15 he's reading and then I'll give you a moment to object, okay?
16 All we're doing is reading right now, okay? Go ahead.

17 MR. TAMBE: And your answer then was no, we're not
18 trying--you know, as a firm we have a real discipline to try to
19 do things accurately, fairly, correctly, defensively, that's
20 our goal. That was your answer, correct?

21 MR. SHAPIRO: Correct.

22 MR. TAMBE: And you testified truthfully at your
23 deposition, correct?

24 MR. SHAPIRO: Sure.

25 MR. LAWRENCE: Your Honor, since you didn't give me a

1 chance to object, first of all this is not impeachment. Second
2 of all this actual line of questioning was done yesterday and
3 the exact same answer was given to these questions without the
4 use of the deposition so it's asked and answered--

5 THE COURT: Is the--

6 MR. LAWRENCE: --in addition to the improper use of
7 the deposition.

8 THE COURT: Is there something additional that--?

9 MR. TAMBE: It's coming.

10 THE COURT: Okay. Keep going.

11 MR. TAMBE: When you gave that answer in December
12 2013 you were fully aware of exactly how your staff had gone
13 about figuring out what the CP curve would be, right?

14 MR. SHAPIRO: Actually not.

15 MR. TAMBE: So, when you gave that answer saying the
16 66.6 that would work in Lehman's favor was done with
17 discipline, accurately, fairly, correctly, defensively you
18 didn't know how your staff had come up with LIBOR plus 66.6.
19 Is that your testimony here, sir?

20 MR. SHAPIRO: That's my testimony. I went back and
21 revisited it actually after this to re-examine as we often do
22 to check to see if there's any possible errors we made because
23 lots of questions had been raised and we like to be honest and
24 see if they're legitimate so we revisited--I personally
25 revisited this issue to look at it.

1 MR. TAMBE: My question is a narrow one, sir.

2 MR. SHAPIRO: Yes.

3 MR. TAMBE: When you gave that testimony in December
4 2013 I believe you just said you were unaware of how your staff
5 had computed the LIBOR plus 66.6. Is that right?

6 MR. SHAPIRO: I believed my answer to be correct at
7 that time. That's correct.

8 MR. TAMBE: Slightly different question, sir. The
9 question I'm asking you in this courtroom this morning is when
10 you gave that answer in December your state of knowledge was
11 you did not know how your staff had come up with LIBOR plus
12 66.6. That's the question.

13 MR. SHAPIRO: I believed at that time that I did
14 know.

15 MR. TAMBE: You did know.

16 MR. SHAPIRO: I believed at that time that I did
17 know. In fact if you read through the deposition, which I've
18 reread in order to prepare for the trial, I actually go into a
19 discussion of thinking it was done from the basis market. When
20 I went back and observed the basis market at that period time
21 in fact my answer in the deposition was wrong.

22 MR. TAMBE: See, now you've got me confused. You say
23 in your deposition you have a real discipline, it's done
24 accurately, fairly, correctly, defensibly. I believe you also
25 just told me when you give that answer in December 2013 you

1 knew what your staff had done, correct?

2 MR. SHAPIRO: I believed I knew.

3 MR. TAMBE: Well, either you knew or didn't know.

4 What was the basis for that answer that you gave saying that

5 the 66.6 was done with discipline, accurately, fairly,

6 correctly, defensibly? On what basis did you give that answer?

7 MR. SHAPIRO: Because that's our policy throughout

8 and the kind of scrutiny that we're under. But we don't--we're

9 not perfect, Mr. Tambe. We do make mistakes so we go back and

10 revisit these things. I recheck and recheck and sometimes I

11 find error.

12 THE COURT: Mr. Lawrence--Mr. Tambe, could you--and

13 Mr. Lawrence, could you go back farther in deposition

14 transcript?

15 MR. TAMBE: That's where I'm going next.

16 THE COURT: Thank you.

17 MR. TAMBE: Yeah. You gave that answer in December

18 2013 because, we can go to page 132 of the deposition, we had

19 discussion at that deposition about how the curves were

20 prepared. Do you remember that?

21 MR. SHAPIRO: Yes.

22 MR. TAMBE: And you said you went--there's a

23 discussion on page 132 and it continues. It talks about the

24 Bloomberg screen, the Bloomberg screen for commercial paper

25 securities, correct?

1 MR. SHAPIRO: Show me the reference if you will.

2 MR. TAMBE: Sure. 132. Let's start on 131 at the
3 bottom.

4 MR. SHAPIRO: They flipped the wrong way on the
5 screen.

6 MR. TAMBE: 131 at the bottom. So it starts at the
7 bottom of the question. So within the 30B(6) right what did
8 you, Peter Shapiro, do to examine what the yields would be on
9 the different eligible securities? Do you see that?

10 MR. SHAPIRO: Yes.

11 MR. TAMBE: And this is in the context of saying how
12 do you figure out what the floating leg is going to be,
13 correct?

14 MR. SHAPIRO: Correct.

15 MR. TAMBE: Okay. So now we go to 132 and you say I
16 looked at a Bloomberg screen, right? That was your answer--you
17 looked at the Bloomberg screen.

18 MR. SHAPIRO: Right there.

19 MR. TAMBE: You don't say my staff looked at a
20 Bloomberg screen.

21 THE COURT: Mr. Lawrence?

22 MR. LAWRENCE: I would object because this question
23 was clearly--

24 THE COURT: No it was not.

25 MR. LAWRENCE: --a 30--no it was a 30b(6) question.

1 It says--

2 THE COURT: Mr. Lawrence--

3 MR. LAWRENCE: --within the 30b(6)--

4 THE COURT: --there was an objection at the time and
5 the answer was, "I'm still in 30b(6). I'm trying to find out
6 who did what within the 30b(6)." And that's what this is about.

7 MR. LAWRENCE: Sure.

8 THE COURT: Okay?

9 MR. LAWRENCE: But I--

10 THE COURT: And what this line of questioning has to
11 do with what specifically Mr. Shapiro personally did.

12 MR. LAWRENCE: Okay.

13 THE COURT: Okay?

14 MR. TAMBE: So you said in December 2013 you looked
15 at a Bloomberg screen and I asked you what Bloomberg screen did
16 you look at? One that would compare yields. I asked you for a
17 name. I asked you for a page number. Do you see that?

18 MR. SHAPIRO: Correct.

19 MR. TAMBE: And you told me there are multiple
20 screens. There is more than one. Yes, there's more than one.
21 I asked you a question, one of the eligible securities is
22 commercial paper, correct? Do you see that?

23 MR. SHAPIRO: Yes.

24 MR. TAMBE: You said correct, not just any commercial
25 paper and you say highest rated, right? And we go on with this

1 and you never give me a screen name for where the 66.6 came
2 from, right?

3 MR. SHAPIRO: Correct.

4 MR. TAMBE: But you knew fully well where that 66.6
5 came from, didn't you sir?

6 MR. SHAPIRO: At that time?

7 MR. TAMBE: Yes, at that time.

8 MR. SHAPIRO: At that time honestly when I went back
9 and rechecked I had given--that was wrong. I looked at it and
10 there's another point in the deposition where we discuss basis
11 spreads. Now remember, Mr. Tambe, this is important factually.

12 MR. TAMBE: My question is straightforward.

13 MR. SHAPIRO: But this is important factually.

14 THE COURT: Mr. Shapiro--

15 MR. TAMBE: I don't want you to obfuscate the record.

16 THE COURT: Mr. Shapiro, the rules of the road are
17 that you're being cross-examined and Mr. Tambe is entitled to
18 ask you questions calling for yes or no answers. To the extent
19 that you are unable to give yes or no answers you can ask that
20 a question be clarified. To the extent that you wish to give
21 extensive narrative you're going to have that opportunity when
22 Mr. Lawrence does your redirect examination.

23 I know it can be very frustrating, but please as much
24 as you can try to answer the questions that are asked. All
25 right?

1 MR. SHAPIRO: Thanks, your Honor. I'll try to do
2 that.

3 THE COURT: Okay.

4 MR. TAMBE: If you could just read back the last
5 question and answer.

6 CLERK: But you knew fully well where that 66.6 came
7 from, didn't you sir? Answer, At that time honestly when I
8 went back and rechecked I had given--that was wrong. I looked
9 at it and there's another point in the deposition where we
10 discuss basis spreads. Now remember, Mr. Tambe, this is
11 important factually.

12 MR. TAMBE: You knew sir when your report was
13 prepared, you knew in December 2013 that the way Mr. Vergara
14 calculated CP spreads is you went to the H15 page on Bloomberg.
15 You knew that, did you not, sir?

16 MR. SHAPIRO: On December 13th what I testified to
17 was that I looked at a Bloomberg screen. I didn't remember the
18 name of the screen. You can see it right there.

19 MR. TAMBE: Again, the question is just a little bit
20 different. You have known from 2009 all the way to December
21 2013 when you testified under oath exactly how your staff, Mr.
22 Vergara prepared the CP curve, the spread to CP. You've always
23 known that. Isn't that right, sir?

24 MR. SHAPIRO: No.

25 MR. TAMBE: Okay. So, when you testified then on

1 page 141 off your deposition in December 2013 that you have
2 discipline, you do things accurately, fairly, correctly,
3 defensively you had no idea what screen he'd looked at.

4 MR. SHAPIRO: I didn't say I had no idea. I said
5 there were multiple screens. So I'm going to say no to that
6 question.

7 MR. TAMBE: The fact of the matter is now in your
8 rebuttal report, Exhibit Y, you go to two different screens on
9 Bloomberg, correct? Exhibit Y the same paragraph 29. When you
10 go to those screens and your conclusion as well--if you look at
11 those two screens you only end up with two basis points or four
12 basis points. It's about four lines from the bottom.

13 So, just so we have the math correct, what Mr.
14 Vergara had done in the spreads that he'd used pushed the LIBOR
15 curve up by 66.6 points, correct?

16 MR. SHAPIRO: It would have added a spread to the
17 LIBOR. It didn't change the LIBOR curve.

18 MR. TAMBE: Right, it would have added 66.6 points--

19 MR. SHAPIRO: That's correct.

20 MR. TAMBE: --to the LIBOR curve and what you're
21 doing in paragraph 29 looking at other screens is bringing that
22 curve back down, right?

23 MR. SHAPIRO: It adds less. It doesn't bring it
24 down.

25 MR. TAMBE: So, let's go to Exhibit 71. So, if you

1 look at Exhibit 71, I don't know if you have the full version
2 there. It's the last three pages or four pages of this
3 document which is a Swap Financial Group memorandum. Do you
4 see that?

5 MR. SHAPIRO: Yes.

6 MR. TAMBE: And you'll see on page one of that
7 memorandum it's got your name on it, it's got Mr. Vergara's
8 name on it, correct?

9 MR. SHAPIRO: I see that.

10 MR. LAWRENCE: Your Honor, just for the record we had
11 objected to this, your Honor. We understood because it's not
12 related to--

13 THE COURT: Right.

14 MR. LAWRENCE: --Washington TC we understand your
15 ruling is to the extent he has personal knowledge about
16 something he can testify, but we'd still for the record want
17 our general objection.

18 THE COURT: Okay. Very good.

19 MR. TAMBE: And you'll see the general format of this
20 memo if you flip through the pages it's similar--similar
21 headings, similar content to the Washington Tobacco memo that
22 you prepared, correct?

23 MR. SHAPIRO: In some ways.

24 MR. TAMBE: And there's a section on page three of
25 this document which has a discussion about commercial paper

1 spreads. Do you see that?

2 MR. SHAPIRO: Correct.

3 MR. TAMBE: And you've got a whole extended
4 discussion about how commercial paper would be the cheapest to
5 deliver. Do you see that?

6 MR. SHAPIRO: Correct.

7 MR. TAMBE: And you'll see in the middle of that
8 paragraph since January 2008 the spread relationship between
9 the Federal Reserve's H15 asset-backed commercial paper index,
10 there's a page cite on Bloomberg, and US dollar three-month
11 LIBOR has shown swings of nearly 320 basis points. And there's
12 a discussion about those swings below. Do you see that?

13 MR. SHAPIRO: I do.

14 MR. TAMBE: And that analysis based on page H15 of
15 Bloomberg is what you use in this memorandum humans, you and
16 Mr. Vergara used in this memorandum to come up with the spread
17 to LIBOR piece of your calculation of 25 basis points. Do you
18 see that?

19 MR. SHAPIRO: Correct.

20 MR. TAMBE: And in fact that was the methodology you
21 used in the Washington Tobacco memorandum as well, didn't you
22 sir?

23 MR. SHAPIRO: I didn't say that. Those are your
24 words.

25 MR. TAMBE: I know you didn't say that, but that's

1 what Mr. Vergara did, didn't he sir?

2 MR. SHAPIRO: I can't say that. If you look--

3 MR. TAMBE: Okay so--

4 MR. SHAPIRO: I testified already we looked at
5 multiple screens so I'm not going to sit here and testify, you
6 know, to something which I don't know to be the case and where
7 you're putting words in my mouth.

8 MR. TAMBE: So, just to clarify a couple of things.
9 When you testified in December that you looked at Bloomberg
10 screens that may not have been you, it may have been Mr.
11 Vergara.

12 MR. SHAPIRO: No, it was me as well I'm certain.
13 Okay, now--

14 MR. TAMBE: But you don't remember anything about
15 what screen led to the commercial paper spread you used in the
16 Washington Tobacco loss calculation.

17 MR. SHAPIRO: In the first calculation that we did
18 prior to the rebuttal report I--

19 MR. TAMBE: Right.

20 MR. SHAPIRO: I can--I can tell you with pretty good
21 certainty because I know what the number indicates. If you
22 want that answer I'm happy to give that to you.

23 MR. TAMBE: There are a couple of questions I'd like
24 answered. But if Mr. Vergara told us under oath in his
25 deposition what screen he looked at we should believe him,

1 right?

2 MR. SHAPIRO: Again, I can't sit here and testify to
3 everything that Mr. Vergara said was correct. That's for you
4 to judge or for the judge to judge.

5 MR. TAMBE: It's a matter of process maybe. You're
6 the expert witness. You've submitted an expert opinion to this
7 Court. You rely on the work that was done by Mr. Vergara,
8 correct?

9 MR. SHAPIRO: Rely and double check and you see
10 plenty of evidence of that.

11 MR. TAMBE: Right and so if Mr. Vergara testified
12 under oath he ran the model a particular way and he went to a
13 particular screen on Bloomberg you relied on that, didn't you
14 sir?

15 MR. SHAPIRO: I did.

16 MR. TAMBE: Okay. And the Court should rely on that,
17 shouldn't it?

18 MR. SHAPIRO: No and I've testified on that already
19 that we catch an error we correct it.

20 MR. TAMBE: Okay. Let's turn to market quotation. I
21 believe you testified on direct yesterday, and this is off the
22 rough transcript so it may not be exactly right--

23 THE COURT: Speaking of the rough transcripts.

24 MR. TAMBE: Yes.

25 THE COURT: I'm sorry to interrupt. It's my practice

1 to ask counsel for the roughs as they're available and I forgot
2 to do that. So, if one of you could have somebody in your back
3 office email them to my chambers or just give us a hard copy I
4 would be grateful.

5 WOMAN 1: We can give your Honor a copy.

6 THE COURT: Okay thank you. I apologize. Go ahead.

7 MR. TAMBE: I believe you said, "we called every
8 conceivable provider in this business and people just said I'm
9 not doing tobacco FDAs, forget about it, I don't even want to
10 see the papers." That was your testimony, correct?

11 MR. SHAPIRO: That's correct.

12 MR. TAMBE: And that's in fact what you did. You
13 called every conceivable provider in the business, is that
14 right?

15 MR. SHAPIRO: Are you asking me personally or our
16 firm?

17 MR. TAMBE: Let's start with you personally. Did you
18 personally call every conceivable provider?

19 MR. SHAPIRO: No, we always divide that up among
20 members of our team.

21 MR. TAMBE: How many did you call?

22 MR. SHAPIRO: I can't remember. This is how many
23 years ago?

24 MR. TAMBE: How many conceivable providers are there?

25 MR. SHAPIRO: We thought at that time there was

1 something on the order of 10 to 15.

2 MR. TAMBE: So how many did you call, 10 or 15?

3 MR. SHAPIRO: We would have called--you know, this
4 same list that you see in the exhibit you just pointed to.

5 MR. TAMBE: We'll get to that.

6 MR. SHAPIRO: Yeah.

7 MR. TAMBE: How many did you call, 10 or 15?

8 MR. SHAPIRO: Let me count the number that's in that
9 exhibit and that would be a good indication.

10 MR. TAMBE: Just to be clear the exhibit you're
11 talking about is exhibit 71. That's' the memo you prepared for
12 another tobacco agency.

13 MR. SHAPIRO: For New York.

14 MR. TAMBE: For New York. And that's--

15 MR. SHAPIRO: That shows 14.

16 MR. TAMBE: Let me just finish. What you're citing
17 to is your memorandum in that matter which sets out 14
18 different dealers that you called and that you documented the
19 process for, right?

20 MR. SHAPIRO: Correct.

21 MR. TAMBE: Okay. And you'd agree with me there's no
22 such documentation of any process done in the Washington
23 matter, correct?

24 MR. SHAPIRO: Nothing in writing that we put down.

25 MR. TAMBE: Nor recordings anywhere, right?

1 Telephonic?

2 MR. SHAPIRO: No.

3 MR. TAMBE: Okay. And when you say nothing in
4 writing, no emails either, right, about it?

5 MR. SHAPIRO: No.

6 MR. TAMBE: Instant messages, Bloomberg messages,
7 nothing.

8 MR. SHAPIRO: We don't use that stuff, yeah.

9 MR. TAMBE: Okay. When did you do that? When did
10 you call every conceivable provider?

11 MR. SHAPIRO: We had to do it several times in this
12 case. We had to do it right around the time of the rejection
13 date, that is the termination date, that was the case here. We
14 also had done it earlier in the process because we were seeking
15 to evaluate on a different date as well.

16 MR. TAMBE: So, just completeness, right? You did it
17 sometime in January?

18 MR. SHAPIRO: Yeah. I guess it was January. The
19 record would show when it was.

20 MR. TAMBE: The record doesn't show anything. The
21 record just says what you said--what you say you did it. So
22 you said you did it in January.

23 MR. SHAPIRO: If January was the time of the first
24 evaluation then you're correct.

25 MR. TAMBE: And then in March you claimed to have

1 done it after the rejection date.

2 MR. SHAPIRO: Yeah, we would have done, you know,
3 around the time that we were dealing with counsel on this to
4 determine what was the correct date for valuation and there was
5 quite a bit back and forth on the discussion about what's the
6 correct date that we should be using. So it would--

7 MR. TAMBE: Is your--

8 MR. SHAPIRO: --read at that date.

9 MR. TAMBE: The rejection date was March 25th.

10 MR. SHAPIRO: Correct.

11 MR. TAMBE: We discussed an email yesterday that was
12 a Friday email from Mr. Cook to you saying now that the date is
13 settled let's see some calculations. That was Friday
14 afternoon. You responded to that very early in the morning on
15 Monday and you were traveling for three weeks, correct?

16 MR. SHAPIRO: I believe so.

17 MR. TAMBE: And that same morning Mr. Vergara sent a
18 calculation to the TSA having run the model, correct?

19 MR. SHAPIRO: Right.

20 MR. TAMBE: No quotes were sought between Friday and
21 Monday, isn't that right sir?

22 MR. SHAPIRO: No, quotes wouldn't have been done
23 between Friday and Monday. We would have had to go back and
24 say as of that date

25 MR. TAMBE: The fact of the matter is, sir, no quotes

1 were run any time after the rejection date, isn't that the
2 truth sir?

3 MR. SHAPIRO: No, that's not the truth.

4 MR. TAMBE: When you sought quotations in New York
5 you sent out a bid package, correct, with the documentation,
6 the particulars of the deal, remember?

7 MR. SHAPIRO: I don't recall on that.

8 MR. TAMBE: You just don't remember one way or the
9 other whether you sent out a bid package.

10 MR. SHAPIRO: I didn't prep for what we did in New
11 York here. You know, we've done so many of these terminations
12 as you know.

13 MR. TAMBE: I think you testified on direct that the
14 RFAs are a very complex document, big document, lots of
15 terminology.

16 MR. SHAPIRO: Yes.

17 MR. TAMBE: Right? If you wanted to get a quotation
18 from a dealer you would need to provide them with the details
19 of the transaction, correct?

20 MR. SHAPIRO: That's absolutely wrong. We provided
21 the Tobacco RFAs, they knew right away they (indiscernible) and
22 this is not disputed.

23 MR. TAMBE: So the answer is you didn't send out a
24 bid package in the Washington TSA matter, correct?

25 MR. SHAPIRO: We did not send out a bid package. We-

1 -

2 MR. TAMBE: You didn't send it out in January and you
3 didn't send it out in March.

4 MR. SHAPIRO: That is correct.

5 MR. TAMBE: Now you know from work you've done in
6 this case that other parties facing Lehman in or about the same
7 time period did go out to the same market and did get
8 quotations, correct?

9 MR. SHAPIRO: Your Honor, there's a slight issue I
10 have.

11 THE COURT: Yes or no. Do you--it's a really
12 straightforward question. Mr. Lawrence--

13 MR. LAWRENCE: I just--

14 THE COURT: I don't want a speaking objection.

15 MR. LAWRENCE: I'm not going to speak--I would just
16 ask him to lay personal foundation in terms of whether he's
17 asking whether he did it or whether he saw someone else do it.

18 THE COURT: No, that wasn't the question.

19 MR. LAWRENCE: The question is--

20 THE COURT: The question was asking for his
21 knowledge. That's my rec--we can read the question back.

22 MR. LAWRENCE: So, just his knowledge of whether he
23 saw something or not.

24 THE COURT: No, no, no.

25 MR. TAMBE: No, no, no. The question is what the

1 question is.

2 THE COURT: The question is more precise than that.
3 We can read it back.

4 MR. LAWRENCE: Why don't we read it back?

5 THE COURT: Okay. Let's wait till the sirens go by.
6 I'm sorry about the noise. We just will have no air in here if
7 we don't keep the windows open. I can't control the
8 government's HVAC policy.

9 MR. TAMBE: I'll make a suggestion. If the other
10 matter wants to be heard--I think it's going to be a little bit
11 longer for me to get through this cross.

12 THE COURT: Okay.

13 MR. TAMBE: I just--

14 THE COURT: Do you mind, Mr. Lawrence?

15 MR. LAWRENCE: No.

16 THE COURT: I would very much like to let these other
17 folks come and go. It's going to be very, very brief and
18 happy.

19 MR. LAWRENCE: Happy?

20 THE COURT: Happy.

21 [UNRELATED CASE]

22 THE COURT: Mr. Lawrence would you tell Mr. Tambe
23 that we're ready to roll?

24 MR. TAMBE: Let's go to Exhibit 101. It should be in
25 your binder. That's a document you've seen before today,

1 correct?

2 MR. SHAPIRO: Let me find it first.

3 MR. TAMBE: Sure, absolutely. You can start at the
4 bottom.

5 MR. SHAPIRO: Yes, I've read it over.

6 MR. TAMBE: So, this is an email exchange between you
7 and members of your staff, correct?

8 MR. SHAPIRO: Correct.

9 MR. TAMBE: And you're discussing the valuation in
10 this email chain, Washington valuation versus the information
11 you just obtained about the New Jersey Tobacco claim. Do you
12 see that?

13 MR. SHAPIRO: Yes.

14 MR. TAMBE: Okay. You start off this conversation.
15 You forward the claim to your staff. Do you see that?

16 MR. SHAPIRO: That's correct.

17 MR. TAMBE: And you state in the second line, "As I
18 mentioned, it has one really unusual feature, their FA versus
19 Southwest got market quotations." FA is financial advisor,
20 correct?

21 MR. SHAPIRO: That's correct.

22 MR. TAMBE: As you scroll up to the next email that's
23 one of your staff, Lillian Chern, who's emailing you and Nat
24 Singer. Do you see that?

25 MR. SHAPIRO: Yes.

1 MR. TAMBE: And she's reporting on the New Jersey
2 claim. She says, "For termination amounts priced on January
3 26th '09" and then she puts some information down there. Do
4 you see that?

5 MR. SHAPIRO: Yes.

6 MR. TAMBE: Okay. And her email suggests that there
7 were quotes from Barclays and from Morgan Stanley, do you see
8 that?

9 MR. SHAPIRO: I think those were the highs and the
10 lows. It doesn't say those were all the quotes. We know they
11 weren't.

12 MR. TAMBE: In fact there were additional quotes.

13 MR. SHAPIRO: There were two others.

14 MR. TAMBE: So, in January 2009 when you're calling
15 every conceivable dealer and asking for interest on Tobacco
16 FDAs and everyone says no, no, no to you, another financial
17 advisor goes into that very same market, goes to Barclays,
18 Morgan Stanley and gets quotes, correct?

19 MR. SHAPIRO: These are quotations that we wonder
20 about the bona fides of. And that's what we're saying.

21 MR. TAMBE: The question was slightly different.
22 Another FA goes into the market the same time you claim to have
23 gone into the market and they get quotes, you don't.

24 MR. SHAPIRO: I'd ask for a clarification which is
25 what do you mean by quotes? Are they valid quotes?

1 MR. TAMBE: Well, I mean what you meant down at the
2 bottom of this page when you started this email chain off.
3 Let's go to the bottom. You believed whatever First Southwest
4 got was market quotations. That's how you described them.

5 MR. SHAPIRO: No, it's often hard to get the sense of
6 someone's tone from an email, but my language has one really
7 unusual feature and that's important because I'm questioning
8 the validity of these quotes and, your Honor, I know much more
9 about this now.

10 THE COURT: Hold on.

11 MR. SHAPIRO: Okay.

12 THE COURT: Hold on, Mr. Shapiro.

13 MR. SHAPIRO: Yeah.

14 THE COURT: Let's keep reading this email, okay?

15 MR. SHAPIRO: Okay.

16 THE COURT: Because it says Lillian, could you take a
17 look at these quotes, page four of the PDF, and see what they
18 would back into on the Washington claims the same underlying
19 assumptions reached. So, you asked a member of your staff to
20 look at these quotes. What we're trying to find out now is
21 what were you thinking, what did you do and that's what counsel
22 is trying to do.

23 MR. LAWRENCE: At an appropriate point if we could
24 have a very short sidebar.

25 THE COURT: Okay. Please have a seat. Okay, I think

1 we're back and we're ready. Sorry for the interruption.

2 MR. LAWRENCE: Thank you, your Honor. I'm sorry.

3 THE COURT: I don't remember where we left off.

4 MR. TAMBE: Could we just get the last Q&A read?

5 CLERK: Well, I mean what you meant down at the
6 bottom of this page when you started this email chain off.
7 Let's go to the bottom. You believed whatever First Southwest
8 got was market quotations. That's how you described them.

9 No, it's often hard to get the sense of someone's
10 tone from an email, but my language has one really unusual
11 feature and that's important because I'm questioning the
12 validity of these quotes and--

13 MR. TAMBE: That's fine. Thank you. All right, Mr.
14 Shapiro, you're absolutely right--it's very hard to tell the
15 tone from an email. But we don't just have the tone to rely
16 on, you've got your words, right?

17 MR. SHAPIRO: Yes.

18 MR. TAMBE: Okay. So on October 16th 2014 you gave
19 another deposition. Would you pull that up please? Page 359
20 should be in the book, but it will come up on the screen in a
21 minute. Page 359 line 18, that's in the middle of your answer
22 and you say there, "and I'm quoting from my email to Nat and
23 Lillian at the bottom of Exhibit 50 their FA (FirstSouthwest)
24 got market quotations." So that was obviously a source of some
25 interest.

1 The question goes on, "And why was that a source of
2 interest?" Answer, "Because our experience had been that market
3 quotations were not obtainable." And then you're asked
4 specifically, "And when you say market quotations you're
5 referring to the process outlined in the RFA to solicit
6 quotations from dealers, correct?" You answered, "Correct."

7 That's what you testified and that's what you meant,
8 isn't that right, sir?

9 MR. SHAPIRO: They--my testimony is--

10 MR. TAMBE: Isn't that what you testified to and
11 isn't that what you meant? That's the question.

12 MR. SHAPIRO: Let me ask for a clarification. When--

13 MR. TAMBE: Answer the question please.

14 MR. SHAPIRO: I thought I'm allowed for a
15 clarification.

16 THE COURT: Okay, but Mr. Shapiro--but--but--

17 MR. LAWRENCE: (Indiscernible) object to his
18 compound. He can ask--

19 THE COURT: Okay.

20 MR. SHAPIRO: Yeah.

21 MR. LAWRENCE: --those questions separately.

22 THE COURT: We can uncompound the question, but when
23 the question simply is, "Is that what you testified to" that's
24 a yes or no question, there's no ambiguity.

25 MR. SHAPIRO: Correct.

1 THE COURT: Okay? All right. Why don't you ask--?

2 MR. TAMBE: Let's go back to Exhibit 101 and it's the
3 next email up now back from Lillian Chern and Lillian responds
4 to you and what she does is she takes the market quotation
5 information that you forwarded her and she translates it into
6 what it might mean for Washington Tobacco. Isn't that what she
7 does?

8 MR. SHAPIRO: Yes.

9 MR. TAMBE: Right. And the low quote or the lowest
10 claim value was from Morgan Stanley, correct?

11 MR. SHAPIRO: Yes.

12 MR. TAMBE: And that's the same Morgan Stanley where
13 Mr. Curry and Hasterok worked, correct?

14 MR. SHAPIRO: I believe there's only one.

15 MR. TAMBE: Only one. And there's only one municipal
16 derivatives group at Morgan Stanley that would be quoting on
17 products like this, correct?

18 MR. SHAPIRO: Yes.

19 MR. TAMBE: Okay. And this is January 2009 when this
20 quote is obtained, correct?

21 MR. SHAPIRO: Yes.

22 MR. TAMBE: Okay. And we don't know from this email
23 whether it was Mr. Curry or Mr. Hasterok or one of their
24 colleagues who provided that, but you'd expect they'd get it
25 right, right?

1 MR. SHAPIRO: No. We know they wouldn't.

2 MR. TAMBE: And the calculation that Ms. Chern does
3 is if you use the Morgan Stanley level of +14 basis points, the
4 Washington TSA's claim would not be 48 or 38, it would be \$9
5 million, correct?

6 MR. SHAPIRO: The calculation using the Morgan
7 Stanley quote would be \$9 million.

8 MR. TAMBE: Now, I gather from some of your earlier
9 answers you don't think much of these quotes.

10 MR. SHAPIRO: We know these quotes to be highly
11 suspicious.

12 MR. TAMBE: So, not reliable.

13 MR. SHAPIRO: Not reliable, not conforming to the
14 definition of market quotation. That's the most important
15 thing.

16 MR. TAMBE: And so if presented to the Court they
17 should be disregarded, that's your view.

18 MR. SHAPIRO: Disregard--they could be looked at for
19 indicators of certain things, Mr. Tambe, but they wouldn't be
20 bona fide market quotations.

21 MR. TAMBE: How about submitting a claim to a
22 bankruptcy court under penalty of perjury? Are they good for
23 that purpose?

24 MR. SHAPIRO: You're--

25 MR. LAWRENCE: I'm going to object. It's

1 argumentative, calls for speculation about New Jersey's--

2 MR. TAMBE: Are they reliable--I'm sorry.

3 THE COURT: Well, ask it slightly--ask it in a
4 different way, Mr. Tambe.

5 MR. TAMBE: Do you believe they're reliable enough to
6 be submitted in a court proceeding, sir?

7 MR. SHAPIRO: In my opinion, no.

8 MR. TAMBE: Okay. Let's take a look at Exhibit 73.
9 I'm going to turn your attention to the fourth page of that
10 document. It's the last four pages of the document.

11 THE COURT: Okay, I think this is one of the ones
12 that you gave me separately, right?

13 MR. TAMBE: Yes.

14 THE COURT: It's the Virginia proof of claim.

15 MR. TAMBE: It's the Virginia proof of claim. That's
16 right, your Honor.

17 THE COURT: Okay.

18 MR. SHAPIRO: Mr. Tambe, Exhibit 73, I only have a
19 total of five pages and the fourth is some ccs.

20 MR. TAMBE: You don't have a big stack of other claim
21 papers, it's the part that we want to draw your attention to.

22 MR. SHAPIRO: No, it's literally just this little
23 thing here.

24 MR. TAMBE: I'm getting the full copy of Exhibit 73
25 and I think if you turn to the back of that stack it's the

1 letter which has the letterhead of the Commonwealth of Virginia
2 dated April 21, 2009.

3 MR. SHAPIRO: What's labeled Exhibit E in the back?

4 MR. TAMBE: Can I come over and take a look at it?

5 MR. SHAPIRO: Yeah. Is that the one you mean?

6 MR. TAMBE: I believe that's the one.

7 MR. SHAPIRO: Okay.

8 MR. TAMBE: You'll see this is a letter dated April
9 21, 2009, right?

10 MR. SHAPIRO: Yes.

11 MR. TAMBE: Okay. And if you go down to the second
12 paragraph, the last sentence of the second paragraph you have
13 Tobacco submitting a claim and they state in their filing with
14 the court such amount determined pursuant to the definition of
15 termination amount in Article One of the investment agreement
16 by calculating the arithmetic mean market quotations without
17 regard to quotations having the highest and lowest levels. Do
18 you see that?

19 MR. LAWRENCE: I'm going to object without laying any
20 foundation of Mr. Shapiro's knowledge about this.

21 THE COURT: Okay, well so far we're just reading.

22 MR. LAWRENCE: I know, but it's not--you can correct
23 me if I'm wrong. I don't think it's proper to read from an
24 objected to document where your Honor has ruled that the only
25 basis to get somebody else's claim in is if Mr. Shapiro has

1 some personal knowledge.

2 THE COURT: I don't--I don't think that's quite what
3 the ruling was so let's take--let's break it down, right?

4 So this is a proof of claim that was filed on the
5 docket of this case.

6 MR. LAWRENCE: Sure.

7 THE COURT: So, as such I can take judicial notice of
8 the fact that it's filed in the docket of the case. Now the
9 question becomes because it's hearsay--

10 MR. LAWRENCE: It is hearsay.

11 THE COURT: --notwithstanding that it's submitted by
12 another state, the question becomes does it--anything in here
13 come in for the truth.

14 MR. LAWRENCE: Correct.

15 THE COURT: Right. So nothing is going to come in
16 for the truth, okay? So subject to that the question is what's
17 the question for this witness?

18 MR. TAMBE: And for present purposes we're not
19 seeking to have it admitted for the truth of the matter.

20 THE COURT: Okay.

21 MR. TAMBE: The question to the witness is you see
22 from this letter that Virginia claima to have obtained market
23 quotations. That's how you read that language.

24 MR. SHAPIRO: That's how I--

25 MR. LAWRENCE: Again, I would object to that question

1 because it's a back door way to get at the truth if Mr.
2 Shapiro--

3 THE COURT: I am telling you I am not going to admit
4 this into evidence for the truth that these market quotes
5 reflected in this proof of claim exist.

6 MR. LAWRENCE: Or that the market process was in fact
7 done because we don't know what was done.

8 THE COURT: By Virginia?

9 MR. LAWRENCE: We don't know what--it's hearsay what
10 Virginia did.

11 THE COURT: Totally, absolutely. Okay, that
12 notwithstanding I still think that there are questions that can
13 be properly asked if Mr. Tambe wants to ask them. Okay?

14 MR. TAMBE: Let's turn to the first page of the proof
15 of claim, the first page of the Exhibit, Exhibit 73. And just
16 to be clear, we talk about the Commonwealth of Virginia, this
17 is a filing--the creditor is the Commonwealth of Virginia
18 Tobacco Settlement Financing Corporation. Do you see that?

19 MR. SHAPIRO: Yes.

20 MR. TAMBE: And you recognize, because you're in the
21 market, that's another one of these tobacco finance agencies,
22 correct?

23 MR. SHAPIRO: It sounds like it.

24 MR. TAMBE: It sounds--

25 MR. SHAPIRO: I've never dealt with them.

1 MR. TAMBE: Never dealt with them. Well, you didn't
2 deal with many tobacco financing authorities, did you sir?

3 MR. SHAPIRO: We've dealt with many of them since the
4 Lehman bankruptcy.

5 MR. TAMBE: After the Lehman.

6 MR. SHAPIRO: Yeah.

7 MR. TAMBE: So before the Lehman bankruptcy you
8 really hadn't dealt with any of the tobacco financing agencies.

9 MR. SHAPIRO: I'd have to go back and see. I
10 testified we hadn't bid out a reserve fund agreement for a
11 tobacco agency, but, you know, I worked, as you know, for
12 California, New York, you know, advised Ohio as well as
13 Washington so there are some big ones there.

14 MR. TAMBE: Let's turn to Exhibit 44. And you
15 recognize this document, don't you sir?

16 MR. SHAPIRO: Give me a minute if you would please.
17 Yes I do.

18 MR. TAMBE: Right and this is a document you saw in
19 discovery in this case, correct?

20 MR. SHAPIRO: Correct.

21 MR. TAMBE: And you understand that what this
22 document is is a quote solicitation by Lehman to Wachovia and a
23 response from Wachovia, correct?

24 MR. SHAPIRO: Right.

25 MR. TAMBE: And you know Mr. Casey Rogers at

1 Wachovia?

2 MR. SHAPIRO: I do.

3 MR. TAMBE: He leads their municipal derivatives
4 group?

5 MR. SHAPIRO: I believe that's correct.

6 MR. TAMBE: So, known in the market, right?

7 MR. SHAPIRO: Known by me.

8 MR. TAMBE: Do you know the market?

9 MR. SHAPIRO: I think so.

10 MR. TAMBE: Okay.

11 MR. SHAPIRO: I can't say what rest of the market
12 knows however.

13 MR. TAMBE: And you see on the last page of this
14 exhibit, Exhibit 44, there is an entry that says Wachovia's
15 position in quote transaction fixed rate pair to enter into the
16 quote transaction Wachovia would have required you to pay
17 Wachovia the upfront payment and then the upfront payment is
18 \$6.225 million. Do you see that?

19 MR. SHAPIRO: Yes.

20 MR. TAMBE: And if you would put that in claim
21 terminology that would equate to a claim of about \$6.2 million.
22 That's right?

23 MR. SHAPIRO: That's correct.

24 MR. TAMBE: Okay.

25 MR. SHAPIRO: You know, plus I don't think this

1 includes the unpaid amounts, but it would a component of it. I
2 think it explicitly says it does not include that if you go
3 through it.

4 MR. TAMBE: And this is a piece of information that
5 you gave no weight to whatsoever when you submitted your expert
6 report in this case, correct?

7 MR. SHAPIRO: Wachovia had turned us down. Wells
8 Fargo, which was currently under the same ownership, had turned
9 us down. They said they did not participate in the market. We
10 would give this no weight and if we read this quotation it's
11 very clear on that from his own notes that they're saying this
12 is not an offer. We wouldn't enter into it. We haven't even
13 gotten credit approval.

14 MR. TAMBE: All right. The question really was, if
15 you'd read the question back.

16 CLERK: And this is a piece of information that you
17 gave no weight to whatsoever when you submitted your expert
18 report in this case, correct?

19 MR. SHAPIRO: Correct.

20 MR. TAMBE: Now, Mr. Cook and Mr. Herman testified I
21 believe on direct that you did get some indicative quotes in
22 connection with Bear agreement. Were they wrong about that?

23 MR. SHAPIRO: Indicative quotes? I'd have to see the
24 context of their testimony.

25 MR. TAMBE: So as you sit here you have absolutely no

1 recollection of having gotten any type of quote, however
2 indicative, and provided that information to Mr. Cook or Mr.
3 Herman.

4 MR. SHAPIRO: There is a definitional issue of what
5 is a value market quotation versus what is somebody throwing
6 out an indicative quote and I think you know that.

7 MR. TAMBE: Let's have the question read back again
8 so you can answer the question I asked you.

9 CLERK: So as you sit here you have absolutely no
10 recollection of having gotten any type of quote, however
11 indicative, and provided that information to Mr. Cook or Mr.
12 Herman.

13 MR. TAMBE: Your answer please.

14 MR. SHAPIRO: I don't--I don't--I'm not recalling.

15 MR. TAMBE: In fact I believe your testimony to my
16 earlier questions was no one responded to you.

17 MR. SHAPIRO: For market quotations, absolutely.

18 MR. TAMBE: Let's go back to your report and that's
19 Exhibit W. Now we had some discussion yesterday about the
20 model and inputs in the model. Let's talk about your memo
21 because you didn't run the model, correct?

22 MR. SHAPIRO: Correct.

23 MR. TAMBE: So, but these words, whether you wrote
24 them or not, you're accepting and adopting these words as if
25 they were your own, correct?

1 MR. SHAPIRO: Correct.

2 MR. TAMBE: Okay. So let's go to page two of the
3 memo and it's the first full paragraph at the top of the page.
4 That's your methodology, correct?

5 MR. SHAPIRO: Allow me a minute just to reread it.
6 That is correct.

7 MR. TAMBE: And would you say the methodology is you
8 look at the two legs of the transaction, correct?

9 MR. SHAPIRO: Right.

10 MR. TAMBE: It's got the fixed leg and that's not in
11 dispute, correct?

12 MR. SHAPIRO: So your analysis is really about a
13 floating leg and how you derive the floating leg, correct?

14 MR. SHAPIRO: The floating leg and the spread.

15 MR. TAMBE: Well, what you really say there is not a
16 floating leg and a spread. What you say is the value of the
17 floating leg should represent the value of the securities which
18 are going to be delivered and then you say and also incorporate
19 an ongoing credit risk, etcetera.

20 So the first thin you're doing is a floating leg
21 should represent the value of the securities which are going to
22 be delivered. Do you see that?

23 MR. SHAPIRO: Yes.

24 MR. TAMBE: And it's to that floating leg that you're
25 going to incorporate an ongoing credit risk of the RFA,

1 correct?

2 MR. SHAPIRO: Correct.

3 MR. TAMBE: Okay.

4 MR. SHAPIRO: As I've--I've testified on this already
5 that, you know, you look at the spread for the entire
6 transaction, but you assign it here for modeling purposes.

7 MR. TAMBE: And in fact, when you go over to page
8 three of your memo, and if you can enlarge that box that
9 appears in the middle of the page, what you're doing there is
10 putting in a table format what you had described earlier on
11 page two, correct?

12 MR. SHAPIRO: Yes.

13 MR. TAMBE: So, when it says CP spread there that's a
14 CP spread to the LIBOR rate, correct?

15 MR. SHAPIRO: To the--I would say it's looking at it
16 to the transaction. you have to do it that way. This is the
17 way it--you have to set up the model, Mr. Tambe, but you get an
18 absurdity if you say floating rates LIBOR is at 20 basis points
19 and you put in Lehman's spread of 105.

20 MR. TAMBE: I couldn't agree with you more. Your
21 model is an absurdity.

22 MR. SHAPIRO: I--

23 MR. TAMBE: All right?

24 MR. SHAPIRO: I mean--

25 THE COURT: All right.

1 MR. SHAPIRO: --everybody's is.

2 THE COURT: All right.

3 MR. TAMBE: So let's go--let's again use your words.

4 THE COURT: Let--let--let--

5 MR. TAMBE: Yeah. I'm sorry, your Honor.

6 THE COURT: Let's keep going.

7 MR. TAMBE: When you talk about CP spread there you
8 describe what you mean by CP spread on the previous page. It's
9 the commercial paper spread. You're trying to figure out the
10 value of the securities that are going to be delivered and in
11 your case you said that was going to be commercial paper,
12 correct?

13 MR. SHAPIRO: Not the value, the spread, the
14 differential between it and LIBOR.

15 MR. TAMBE: Well let's again go back to your words
16 because you said something different on page two. Let's go to
17 page two. In the middle of that paragraph, the value of the
18 floating leg should represent the value of the securities which
19 are going to be delivered. Those are your words, correct?

20 MR. SHAPIRO: The value relative to LIBOR. That's
21 the spread.

22 MR. TAMBE: It's the value of the securities,
23 correct?

24 MR. SHAPIRO: Relative to LIBOR.

25 MR. TAMBE: Okay. And therefore when you say CP

1 spread on the next page, you're talking about a CP spread to
2 LIBOR, correct?

3 MR. SHAPIRO: Exactly.

4 MR. TAMBE: Okay. So, now let's go back to the
5 former. So, the first thing you do to LIBOR in your
6 calculation is you add 66.6 to it, correct?

7 MR. SHAPIRO: Yes.

8 MR. TAMBE: Then you subtract from LIBOR 429 basis
9 points, correct?

10 MR. SHAPIRO: Yes.

11 MR. TAMBE: And then you subtract another 25 basis
12 points, correct?

13 MR. SHAPIRO: Yes.

14 MR. TAMBE: And the total there, 3.874 is what you
15 subtract from LIBOR, correct?

16 MR. SHAPIRO: Yes.

17 MR. TAMBE: Okay. And when LIBOR is below 3.8
18 percent you get a negative number, correct?

19 MR. SHAPIRO: Yes.

20 MR. TAMBE: Okay. And that's how you're valuing the
21 floating leg, correct?

22 MR. SHAPIRO: This is--again, this is how you're--

23 MR. TAMBE: Is that how you're valuing the floating
24 leg, sir?

25 MR. SHAPIRO: This is how you're valuing--

1 THE COURT: Mr. Shapiro, I'm going to--

2 MR. SHAPIRO: No, the answer is no, your Honor.

3 THE COURT: No--

4 MR. SHAPIRO: I'm sorry.

5 THE COURT: Thank you.

6 MR. SHAPIRO: Okay.

7 THE COURT: Please, I don't want to have to tell you
8 again.

9 MR. SHAPIRO: I understand.

10 THE COURT: Okay. Thank you.

11 MR. TAMBE: Just going back to the first page of this
12 memorandum, the first page of the memo, at the top of the page,
13 actually the heading, the concerning piece, you say this is a
14 memorandum concerning the loss, capital L, loss for TSA's
15 reserved fund agreement. Do you see that?

16 MR. SHAPIRO: Yes.

17 MR. TAMBE: Right. And you would agree with me that
18 when you say loss the way you look at loss it's no different
19 than a valuation of the transaction, correct?

20 MR. SHAPIRO: Yes.

21 MR. TAMBE: In fact prior versions of this memo said
22 concerning valuation of the transaction, correct?

23 MR. SHAPIRO: It--I should clarify if I can.

24 MR. TAMBE: You've answered the question. You've
25 answered the question, sir.

1 MR. SHAPIRO: There's a slight difference between--

2 MR. TAMBE: You've answered the question, sir.

3 MR. SHAPIRO: There's a difference between valuation
4 and loss.

5 THE COURT: Okay, Mr. Shapiro, my patience is
6 beginning to run a little thin because I think I can no longer
7 count on one hand the number of times that I've asked you--

8 MR. SHAPIRO: Okay. I'm--

9 THE COURT: --to please--

10 MR. SHAPIRO: I apologize.

11 THE COURT: --answer the question. I know it's very
12 difficult because you have a lot of knowledge. Mr. Lawrence is
13 going to spend as much time as he needs to give you an
14 opportunity to clarify all of your answers on redirect, all
15 right?

16 MR. SHAPIRO: I apologize.

17 THE COURT: Thank you.

18 MR. TAMBE: I believe the last think you said there's
19 a difference between valuation and loss. Let's go to your
20 October 2014 transcript page 231.

21 MR. SHAPIRO: Can you give me the exhibit number?

22 MR. TAMBE: It's a transcript. It's the third
23 transcript. October 16th, 331. Starting on line--are you
24 there, sir?

25 MR. SHAPIRO: I'm not yet.

1 MR. TAMBE: Just let me know when you're there.

2 MR. SHAPIRO: Yeah. I'm with you.

3 MR. TAMBE: So, line 13 you were asked the following
4 question, "So depending it doesn't make any difference whether
5 you're calculating TSA's loss or whether you're determining the
6 value of the reserve fund agreement, you start by analyzing the
7 reserve fund agreement's cash flows, correct?" There is an
8 objection. You can answer that. "I would say that's correct."
9 "And that there are two cash flows that need to be analyzed as
10 we discussed--the fixed leg and the floating leg, correct?" You
11 said, "Correct." "Regardless of whether you're valuing the
12 reserve fund agreement or calculating loss, correct?" And you
13 said, "Right." Did I read that correctly, sir?

14 MR. SHAPIRO: Correct.

15 MR. TAMBE: Let's turn to Exhibit 63 please. You
16 recognize this is another one of the screenshots generated by
17 your model by, correct?

18 MR. SHAPIRO: By Principia.

19 MR. TAMBE: Well that's your model, right?

20 MR. SHAPIRO: Yeah.

21 MR. TAMBE: Okay. And this is the one that goes out
22 to the correct maturity date, 2032, correct?

23 MR. SHAPIRO: The first page shows 2042, the second
24 page has 2032.

25 MR. TAMBE: Okay. So, the second page. The second

1 page has the right maturity?

2 MR. SHAPIRO: Yes.

3 MR. TAMBE: Okay. And the second page has the fixed
4 leg at 4.484, correct?

5 MR. SHAPIRO: Correct.

6 MR. TAMBE: And it has the floating leg at three-
7 month LIBOR -3.874, correct?

8 MR. SHAPIRO: Correct.

9 MR. TAMBE: Okay. And this is the document that was
10 prepared by Mr. Vergara for purposes of this matter, correct?

11 MR. SHAPIRO: I don't think so, no.

12 MR. TAMBE: Okay. When was this prepared.

13 CLERK: Sorry, what was your answer?

14 MR. SHAPIRO: I don't think so.

15 CLERK: Okay.

16 MR. TAMBE: By whom was it prepared?

17 MR. SHAPIRO: I believe this one showing the 2032
18 date was revised at a later date when we had the 2032 knowledge
19 as I testified and that was--I believe that was done by Lillian
20 Chern.

21 MR. TAMBE: Okay, but done by your staff.

22 MR. SHAPIRO: Correct.

23 MR. TAMBE: Okay. And this supports the first page
24 of your expert submission where the number goes to \$38 million.

25 MR. SHAPIRO: That's correct.

1 MR. TAMBE: Okay. All right, let's go back to your
2 report. Now, on page three, and if you can blow up again the
3 box. So we just discussed a few minutes ago that what that
4 3.874 number is is LIBOR minus 3.874, correct?

5 MR. SHAPIRO: We discussed that.

6 MR. TAMBE: Okay. Yesterday I think you testified
7 what the Court should do is simply subtract 3.874 from 4.484 to
8 arrive at 61 basis points and that's the answer, right?

9 MR. SHAPIRO: That would--that's--that's a shorthand
10 way of looking at it.

11 MR. TAMBE: Well, it's a shorthand way of doing it
12 that skips passed the stuff that's absurd, correct? It just
13 ignores LIBOR.

14 MR. SHAPIRO: I disagree.

15 MR. TAMBE: That total that appears in that last box
16 is not just minus 3.874, it's LIBOR minus 3.874, correct?

17 MR. SHAPIRO: Yes.

18 MR. TAMBE: And that's what you're comparing to
19 4.484, right?

20 MR. SHAPIRO: Yes.

21 MR. TAMBE: Because that's your--if your real
22 floating leg is LIBOR minus 3.874, not just minus 3.874.

23 MR. SHAPIRO: No.

24 MR. TAMBE: So your shorthand answer of 61 basis
25 points was designed to avoid the absurdity, correct?

1 MR. SHAPIRO: No.

2 MR. TAMBE: Debtor's Exhibit 31 please. This is a
3 two-page email and you'll see it starts on page two by an email
4 from Mr. Cook to you. Do you see that?

5 MR. SHAPIRO: Yes.

6 MR. TAMBE: And it continues on to page one with a
7 discussion between you and members of your staff. Do you see
8 that?

9 MR. SHAPIRO: Yes.

10 MR. TAMBE: And this is right before you were engaged
11 by the Washington TSA?

12 MR. SHAPIRO: Around that time.

13 MR. TAMBE: Well the first email on page two is sort
14 of a kickoff email, correct?

15 MR. SHAPIRO: That's right.

16 MR. TAMBE: And the engagement letter is not yet
17 signed.

18 MR. SHAPIRO: Right.

19 MR. TAMBE: And the first thing you do at the bottom
20 of page two, the day after you get it from Mr. Cook is you
21 send, the bottom of page one--you send the bottom email, you
22 send the document over to James Vergara, right?

23 MR. SHAPIRO: And copy Mr. Singer.

24 MR. TAMBE: Right. And you say, "Here's the document
25 relating to the agreement" and you ask Mr. Vergara please take

1 a look and figure out how we'd put a value on this. Do you see
2 that?

3 MR. SHAPIRO: Yes.

4 MR. TAMBE: And you'll see right above that there's
5 an answer from Mr. Singer to you and Mr. Vergara. Let's talk
6 about the first two lines. And I think you testified earlier
7 that you're doing work with the Ohio Tobacco Authority versus
8 Lehman and Mr. Singer is talking about that, right?

9 MR. SHAPIRO: Correct.

10 MR. TAMBE: And he says, "We dealt with this issue on
11 the Ohio Tobacco deal last month. PFM was coming up with
12 numbers that showed Ohio owed Lehman a termination amount while
13 we came up with a huge figure that Lehman owed the client." Do
14 you see that?

15 MR. SHAPIRO: Okay, it says well as the following
16 sentence.

17 MR. TAMBE: There's a lot more there, but the first
18 two sentences, it says that, right?

19 MR. SHAPIRO: Yes.

20 MR. TAMBE: And that's what you'd done. You'd come
21 up with a huge figure that showed Lehman owed money to Ohio.

22 MR. SHAPIRO: In Nat's words, but I think he's
23 accurate.

24 MR. TAMBE: One of your co-owners, right? One of the
25 co-owners of Swap Financial Group?

1 MR. SHAPIRO: Yes.

2 MR. TAMBE: Okay. The guy with all the experience
3 from Bear Stearns.

4 MR. SHAPIRO: Yes, excellent experience.

5 MR. TAMBE: Okay. And you'll see in the middle of
6 this email what Mr. Singer says is, "I would assume that a
7 current FBA would be priced well below LIBOR as the last trades
8 were occurring around LIBOR minus 150-ish." Do you see that?

9 MR. SHAPIRO: Yes.

10 MR. TAMBE: And 150 is exactly the round number that
11 Mr. Vergara uses in the very first calculation he does,
12 correct?

13 MR. SHAPIRO: Yes.

14 MR. TAMBE: So right from Nat Singer's lips into the
15 model.

16 MR. SHAPIRO: I can't say that.

17 MR. TAMBE: Well, you can't say much about the model
18 because you don't know how Mr. Vergara came up with the 150.

19 MR. SHAPIRO: I don't know how he came up with the
20 150.

21 MR. TAMBE: And in fact you found it suspicious. You
22 thought it was too round a number.

23 MR. SHAPIRO: Yes.

24 MR. TAMBE: Yeah. Okay. Let's go to the top of this
25 email. It's the same email chain, Exhibit 31. There's

1 discussion at the top about an ING GIC, do you see that?

2 MR. SHAPIRO: Yes.

3 MR. TAMBE: And this is a point in time when you're
4 draft engagement letter with the TSA contemplates that you'd be
5 advising both on replacement as well as valuation, correct?

6 MR. SHAPIRO: I believe so.

7 MR. TAMBE: Okay. So, at this stage before the
8 engagement letter is signed you are looking not just at
9 valuation issues, but you're looking at potential replacement
10 issues.

11 MR. SHAPIRO: Yes.

12 MR. TAMBE: And you knew that a GIC was an eligible
13 investment under the bond indenture, correct?

14 MR. SHAPIRO: I don't--on this date I honestly don't
15 think we had read the bond indenture. We would have assumed it
16 looked like a normal bond indenture, so yes, we were assuming
17 that, but I didn't know that.

18 MR. TAMBE: That's the case--you were assuming that
19 for purposes of the Washington TSA back then.

20 MR. SHAPIRO: That's right.

21 MR. TAMBE: And you know sitting here on behalf of
22 Washington TSA today witnesses have testified that it was an
23 eligible investment.

24 MR. SHAPIRO: Our assumption turned out to be
25 correct.

1 MR. TAMBE: And it was 5.25 percent is what was being
2 offered there, correct?

3 MR. SHAPIRO: Correct.

4 MR. TAMBE: Okay. And you'll see two lines down you
5 say, "This offers a solution to the replacement issue, but not
6 to the valuation issue."

7 MR. SHAPIRO: I don't say that. This is Nat Singer.

8 MR. TAMBE: Your partner.

9 MR. SHAPIRO: Yeah.

10 MR. TAMBE: Okay. Does that suggest to you that you
11 were going to replace the transaction earn 5.25 percent, but
12 run a very different process to value this transaction?

13 MR. SHAPIRO: No.

14 MR. TAMBE: Let's go on to this email. The next
15 thing Mr. Singer says is, "We could try to get MQs" and you
16 recognize that as market quotations, correct?

17 MR. SHAPIRO: Yes.

18 MR. TAMBE: "But we may be better off finding out the
19 levels of the last real executions for these agreements." Do
20 you see that?

21 MR. SHAPIRO: Yes.

22 MR. TAMBE: I thought you just told us following the
23 Lehman bankruptcy there was no real executions in this market.

24 MR. SHAPIRO: This--

25 MR. TAMBE: Isn't that what you said?

1 MR. SHAPIRO: Yes, but that doesn't contradict this.

2 MR. TAMBE: Okay. So you were going to go back to
3 transactions that occurred months and months ago before the
4 financial crisis and use that as a basis.

5 MR. SHAPIRO: And look at them because they were
6 real.

7 MR. TAMBE: And in any of the materials that you
8 submitted with your expert report you haven't provided us with
9 any details of any such historic transactions other than the
10 2002 Washington TSA itself, right?

11 MR. SHAPIRO: Yes.

12 MR. TAMBE: Okay.

13 THE COURT: Can I just clarify one thing? So, you're
14 saying that your understanding of what Mr. Singer was telling
15 you is that, "But we may be better off finding out the levels
16 of the last real executions for these agreements." So, and you
17 just clarified that that means not indicative quotes or market
18 quotes, but deals that actually closed, right?

19 MR. SHAPIRO: Absolutely, your Honor.

20 THE COURT: Okay, but the date of this email is
21 December 2008, right?

22 MR. SHAPIRO: Correct.

23 THE COURT: Okay. So, but you've already testified
24 that there was turmoil.

25 MR. SHAPIRO: Yeah.

1 THE COURT: I mean we were--everybody wasn't sleeping
2 at night because we didn't know what was going to happen,
3 right?

4 MR. SHAPIRO: Right.

5 THE COURT: So, what does that--I don't understand
6 what that means. There would not have been--your testimony is
7 that there would not have been any executions between the date
8 of the first Lehman filing, for example, and the date of this.

9 MR. SHAPIRO: It would have meant going back before
10 that Lehman filing.

11 THE COURT: Okay.

12 MR. SHAPIRO: Yeah.

13 THE COURT: So why would you have done that because
14 then the world dramatically changed on the day of the Lehman
15 filing so those wouldn't have been indicative of anything and
16 that's what you and Mr. Curry and Mr. Hasterok have now spent
17 three days telling me is that the world is dramatically
18 different, yield curves don't matter, nothing matters anymore
19 because Lehman happened? So I don't understand how you can say
20 that what you were going to do to calculate a termination
21 amount is look at what happened on real transactions that
22 closed before the cataclysm.

23 MR. SHAPIRO: We'd have that--

24 THE COURT: Can you clarify that for me?

25 MR. SHAPIRO: Yeah, if I can. We have an indication

1 of where markets were pricing in the last trades and then we'd
2 have to correct for interest rate movements and for spread
3 widening.

4 THE COURT: Okay.

5 MR. SHAPIRO: So it's just another good indicator.
6 We want, you know, an execution is a real indication when
7 somebody has to put their money on the line.

8 THE COURT: Okay, thank you.

9 MR. SHAPIRO: Okay.

10 MR. TAMBE: The process that you just described to
11 the Court, there's no documents, no discussion of that process
12 in your filings here, correct?

13 MR. SHAPIRO: That's correct.

14 MR. TAMBE: You could have done it, but you didn't do
15 it.

16 MR. SHAPIRO: I don't believe we did. No, Nat was
17 making a suggestion.

18 MR. TAMBE: Well, in fact the suggestion he's making
19 is in the next line, right? The suggestion he's really making
20 is we could price the agreements based on those levels and
21 adjust for bid/offer, declining credit quality, etcetera. Do
22 you see that?

23 MR. SHAPIRO: That's correct. Just what I said to
24 the judge.

25 MR. TAMBE: And then he says, without having done any

1 valuation at this point, correct, "Any way you go about it,
2 Lehman will owe the issuer a boatload of money." Do you see
3 that?

4 MR. SHAPIRO: Yes.

5 MR. TAMBE: Okay. So, further down this email he is
6 signaled that the level should be L minus 150. In this part of
7 the email he says, "Any way you go about it, Lehman will owe
8 the issuer a boatload of money." Isn't that right, sir?

9 MR. SHAPIRO: Yes.

10 MR. TAMBE: And those were Mr. Vergara's
11 instructions, correct?

12 MR. SHAPIRO: No.

13 MR. TAMBE: Okay. In fact that view about owing
14 Lehman a boatload of money was a view that was shared by your
15 client, correct, the Washington TSA?

16 MR. SHAPIRO: I think what--I can't speak to their
17 view.

18 MR. TAMBE: Well, you can speak to conversations
19 you've had with them, can't you sir?

20 MR. SHAPIRO: Yes.

21 MR. TAMBE: Okay. So let's look at Exhibit 99. You
22 had--this is an email exchange, it includes you and various
23 clients, correct?

24 MR. SHAPIRO: Yes.

25 MR. TAMBE: Okay. And if you turn to page--

1 MR. SHAPIRO: And attorneys as well.

2 MR. TAMBE: And attorneys as well. And if you turn
3 to page two of this document, the middle of that page, Mr.
4 Herman says to you, "It will be a cold day in hell that we pay
5 Lehman anything." Do you see that?

6 MR. SHAPIRO: Yes.

7 MR. TAMBE: Okay and that's what Mr. Herman said to
8 you, correct?

9 MR. SHAPIRO: That's what he wrote to me.

10 MR. TAMBE: And you wrote back to Mr. Herman on page
11 one, correct, the first paragraph at the top and you said to
12 him, "There's less than zero chance that you will have to pay
13 Lehman anything." Do you see that?

14 MR. SHAPIRO: Yes.

15 MR. TAMBE: You understood the way the RFA worked is
16 depending on where interest rates were Lehman could be in the
17 money or out of the money.

18 MR. SHAPIRO: Exactly.

19 MR. TAMBE: And if you push the interest rates down
20 far enough Lehman would never be owed anything by the TSA,
21 correct?

22 MR. SHAPIRO: If we pushed the interest rates?

23 MR. TAMBE: If one did.

24 MR. SHAPIRO: Okay. Yes, if interest rates were
25 substantially lower Lehman would clearly owe and they were

1 much, much lower.

2 MR. TAMBE: Can we just have a five minute break,
3 your Honor?

4 THE COURT: Sure. All right, Mr. Shapiro, let's take
5 a five minute break. We'll come back. How much more do you
6 think you have, Mr. Tambe?

7 MR. TAMBE: I think it's about 15 minutes or so.

8 THE COURT: Okay, very good. Please have a seat
9 everyone. Let's keep going. I have Lehman hearings all day
10 tomorrow. I'm beginning to think ahead. We will finish today,
11 correct Mr. Lawrence?

12 MR. LAWRENCE: I believe so. Most of the time is
13 Lehman's time today so I can't control that.

14 THE COURT: Okay. All right, let's keep going.

15 MR. TAMBE: Sir, if you could turn to debtor's
16 Exhibit 111. That's a document that you prepared for
17 Washington TSA, correct?

18 MR. SHAPIRO: Debtor's? I'm sorry.

19 MR. TAMBE: 111.

20 MR. SHAPIRO: I got to 113 by accident I was looking
21 at. Yes, that's correct.

22 MR. TAMBE: And this is prepared in November 2011,
23 correct?

24 MR. SHAPIRO: It's dated November 16th 2011.

25 MR. TAMBE: Okay. And you're setting forth for the

1 TSA's consideration various investment options, correct?

2 MR. SHAPIRO: Correct.

3 MR. TAMBE: And you had reviewed the indenture and
4 the governing documents before you made these suggestions,
5 correct?

6 MR. SHAPIRO: Either I had reviewed them or I had
7 relied on counsel to review them.

8 MR. TAMBE: So you were suggesting things and making
9 recommendations to TSA for things that they could under the
10 existing documentation invest in, correct?

11 MR. SHAPIRO: Did I believe they could, yes.

12 MR. TAMBE: And I said existing documentation because
13 some of your clients in fact amended their indentures to permit
14 different investments, correct?

15 MR. SHAPIRO: I'm not remembering that anybody
16 amended--it's very hard to amend an indenture.

17 MR. TAMBE: Certainly given your experience in the
18 muni derivatives space you're familiar with the concept of
19 issuers amending indentures and other documents to give them
20 flexibility when market conditions change.

21 MR. SHAPIRO: Very, very rare.

22 MR. TAMBE: But it happens.

23 MR. SHAPIRO: Yes.

24 MR. TAMBE: All right and the proposal that you make
25 to the Washington TSA is a tiered proposal, correct? Different

1 tranches.

2 MR. SHAPIRO: Yes.

3 MR. TAMBE: And you say on page three of this
4 document at the bottom, for the proposal you're making that's
5 an average deal of approximately 2.6 percent. Do you see that?

6 MR. SHAPIRO: Yes.

7 MR. TAMBE: Okay. And at this point in 2011 interest
8 rates were lower than they had been in 2009, correct?

9 MR. SHAPIRO: It depends what point in time. I would
10 have to look at a rate chart. 2009 they gyrated.

11 MR. TAMBE: But in 2011 they were lower than they
12 were in 2009, correct?

13 MR. SHAPIRO: It depends on the point in time, but we
14 could pop that up. That's--

15 MR. TAMBE: And what rates would you look at to make
16 that determination?

17 MR. SHAPIRO: To make which determination?

18 MR. TAMBE: Whether the rates in 2011 were less than
19 comparable rates in 2009.

20 MR. SHAPIRO: It would depend upon the instrument we
21 were looking at. In other words, if it were short-term we'd
22 compare short-term rates. You know, for example, if you look
23 on the memo you're referring to, tranche one reference three-
24 month LIBOR. So we'd look at where three-month LIBOR was.
25 Tranche two I believe references a short-term CD so we'd look

1 at that by looking at where interest rates of that tenor were.
2 I'd have to go through the memo, but I know it wasn't long-term
3 rates.

4 MR. TAMBE: And there would be market data available
5 for you even today to go back to March of 2009 and say what
6 would the comparable rates be for 2009, correct?

7 MR. SHAPIRO: That's correct.

8 MR. TAMBE: Okay. None of this stuff was so esoteric
9 that there were no rates for them in March 2009.

10 MR. SHAPIRO: No.

11 MR. TAMBE: Okay. And that would be publicly
12 available market data, correct?

13 MR. SHAPIRO: I believe so.

14 MR. TAMBE: Okay. This proposal wasn't accepted by
15 the TSA, was it?

16 MR. SHAPIRO: No.

17 MR. TAMBE: Okay. And I believe you heard Mr. Cook
18 it was testify that he didn't make certain investments because
19 he thought interest rates were going to go higher.

20 MR. SHAPIRO: You excluded me from Mr. Cook's
21 testimony so I did not hear that.

22 MR. TAMBE: Has Mr. Cook ever told you, outside of
23 this courtroom, that he believed interest rates were going to
24 go higher?

25 MR. SHAPIRO: I don't think he ever gave me an

1 interest rate view per se that he had.

2 MR. TAMBE: Well, when he decided not to make this
3 investment and continued to earn less than 50 basis points on
4 the reserve fund, did you ask Mr. Cook, hey guys, you could
5 make 2.6 percent, why are you investing at 50 basis points?

6 MR. SHAPIRO: We had a lot of conversations around
7 that question.

8 MR. TAMBE: Right. And in any of those did Mr. Cook
9 say to you the reason I'm not going for 2.6 percent, what's
10 that, 200 basis points above your model is because I think
11 interest rates are going to rise higher?

12 MR. SHAPIRO: He said that he was concerned about the
13 possibility of that among other things like the risk of these
14 instruments.

15 MR. TAMBE: No further questions, your Honor.

16 THE COURT: Before you sit down, you indicate in this
17 exhibit in paragraph C that even the GIC tranche would meet the
18 investment requirements, right?

19 MR. SHAPIRO: Yes.

20 THE COURT: Okay. So, turning to the first page of
21 this exhibit, the third paragraph, you say, "Two key
22 constraints inhibit TSA's ability to regain the bargain it lost
23 when Lehman defaulted."

24 MR. SHAPIRO: Yes.

25 THE COURT: Okay. Is that--in your mind in kind of

1 non-technical terms is that the same concept as the calculation
2 of the termination amount under the RFA?

3 MR. SHAPIRO: Yes.

4 THE COURT: It is. So the purpose of the calculation
5 of the termination amount is to put TSA where it would have
6 been had Lehman performed faithfully every six months until
7 2032, right?

8 MR. SHAPIRO: Yeah. The same risks and rewards, yes.

9 THE COURT: Well, under the RFA, right?

10 MR. SHAPIRO: Yes, exactly.

11 THE COURT: They got their guaranteed rate and in
12 this memo you say that that was basically round numbers \$2
13 million a year, right? You say, "The annual earnings on the
14 reserve have plummeted from more than \$2 million to
15 approximately \$30,000."

16 MR. SHAPIRO: Yes.

17 THE COURT: Okay. So, I'm just trying to ask you to
18 do some very simple back of the envelope math, right? So, the
19 rejection is in 2009. We've got 23 years left, right?

20 MR. SHAPIRO: Yes.

21 THE COURT: So it would have been--what TSA would
22 have gotten would have been roughly 23 times \$2 million?

23 MR. SHAPIRO: I--yeah there were--I think even--
24 besides I think there were 47 semi-annual periods remaining.

25 THE COURT: Okay.

1 MR. SHAPIRO: Each one was \$1 million so \$47 million.

2 THE COURT: Okay.

3 MR. SHAPIRO: Yeah.

4 THE COURT: So, \$47 million. So, they're not getting
5 that from Lehman and now we're trying to put them in the
6 position they would have been in, right?

7 MR. SHAPIRO: Put them closer, yeah.

8 THE COURT: Put them closer. So, if they had done
9 this, which you had suggested, they would have been 1.8
10 percent, 180 basis points closer.

11 MR. SHAPIRO: I--that's--that sounds--

12 THE COURT: Hypothetically, right?

13 MR. SHAPIRO: Yeah, I'm not doing the math, but
14 you're on the right--

15 THE COURT: 2.6 versus the 4.4, right?

16 MR. SHAPIRO: Yeah, although I--technically if they
17 were getting, what did we say, 30 basis points? So, in other
18 words they're 230 basis points closer.

19 THE COURT: Yes.

20 MR. SHAPIRO: Yeah.

21 THE COURT: Okay. So then my final question is if
22 you look at the total amount of payments that they would have
23 gotten if Lehman had continued to perform, so did you do--does
24 your calculation, which I understand is based off of the model
25 that you ran, but does it coincide with a present value

1 determination of that stream of payments?

2 MR. SHAPIRO: That stream of payments, the math we
3 just did, 47 semi-annual--

4 THE COURT: Right.

5 MR. SHAPIRO: --\$ million a year.

6 THE COURT: Right.

7 MR. SHAPIRO: If you present value--

8 THE COURT: Present value it.

9 MR. SHAPIRO: --that back--

10 THE COURT: Back.

11 MR. SHAPIRO: You should get to a, and depending
12 again on what rate you use for present value, you should get to
13 a lower number because that will get you to a zero reinvest
14 rate. Right, because you're--

15 THE COURT: Okay.

16 MR. SHAPIRO: --just looking at that. Remember there
17 is some amount of money that the dealer would make on it, in
18 other words on the floating leg. So, you know, if we're
19 thinking--

20 THE COURT: Okay, that's not--that's a different
21 answer than what I--I'm simply asking--

22 MR. SHAPIRO: Yes.

23 THE COURT: I am trying to go through the brain
24 teaser exercise of forgetting about formulas and curves, simply
25 they were going to get \$2 million a year roughly--

1 MR. SHAPIRO: Yeah.

2 THE COURT: --okay, over 23 more years if life had
3 continued as, you know, we thought it would and then if you
4 present value that back today, right, someone would pay today
5 for that income stream what would that number be, the \$37
6 million that you have presented as your valu--as the claim
7 amount.

8 MR. SHAPIRO: It should be somewhat higher. That is
9 the loss of all of that would be somewhat higher because that
10 would assume you're replacing the 4.484 with a zero instead of
11 replacing the 4.484 with a, you know, to take the Hasterok and
12 Curry example, with 65 basis points. So if you replace it with
13 zero you're out all of that money or if you replace it with--

14 THE COURT: That's--

15 MR. SHAPIRO: Does that make sense?

16 THE COURT: That's not the--that's not the question
17 that I'm asking, but it may be that my expertise--I've reached
18 the end of my expertise so I'm going to stop.

19 MR. SHAPIRO: If you lost 100 percent, you're right.

20 MR. TAMBE: Well, all right--

21 THE COURT: Go ahead.

22 MR. TAMBE: Can I ask a follow up question?

23 THE COURT: Go ahead.

24 MR. TAMBE: If they simply stuck the money in a
25 mattress for the next 23 years, didn't invest in anything and

1 therefore they're losing 4.484 for 23 years, what's the present
2 value of that stream?

3 MR. SHAPIRO: The present value of that stream, again
4 depending upon the rate you would apply, should--

5 MR. TAMBE: What rate does your model apply?

6 MR. SHAPIRO: To mattress deposits?

7 MR. TAMBE: No, to the fixed leg.

8 THE COURT: That's the question I'm trying to ask.

9 MR. TAMBE: That's the question.

10 THE COURT: Thank you.

11 MR. SHAPIRO: Yeah. Okay, if you--if we used--if we
12 present valued it at a--it's somewhat sensitive to that present
13 value discount rate.

14 MR. TAMBE: It's a lot sensitive to that.

15 MR. SHAPIRO: Yeah. Well, it's not hugely, hugely
16 sensitive. You're not going to turn it negative.

17 MR. TAMBE: Well it cost the TSA, what, 10 percent to
18 borrow money?

19 MR. SHAPIRO: Well, the bonds were trading at 10
20 percent in March of 2009. But, you know, that's not normally
21 the discount rate you'd use, you know, any more than Lehman
22 would apply in its models a discount rate of its borrowing rate
23 of 13.5 or 14.5 percent.

24 MR. TAMBE: You mean Lehman in bankruptcy.

25 MR. SHAPIRO: Yes, that's right. That's what I mean.

1 MR. TAMBE: Right. No further questions.

2 THE COURT: Okay, thank you. Mr. Lawrence?

3 MR. LAWRENCE: Sorry, this is not connecting up just
4 right. If you could call up exhibits as I call them I'd
5 appreciate it. Let's start with Exhibit 111, debtor's Exhibit
6 111.

7 THE COURT: What was the number? I'm sorry.

8 MR. LAWRENCE: 111.

9 THE COURT: 111.

10 MR. LAWRENCE: It's the one we were just talking
11 about.

12 THE COURT: Okay.

13 MR. LAWRENCE: So, the first question I'm going to
14 ask you is whether or not the, and I think you mentioned this,
15 could you explain why the risk profile of these investments are
16 different than the risk profile under the RFA?

17 MR. SHAPIRO: Yes. In two of these investments, the
18 GIC and the CD, the authority, the agency authority would be--
19 would be exposed to the risk of loss of all of its principle,
20 an exposure it did not have under the RFA.

21 It additionally beyond that, under the RFA, as we're
22 here to debate, you know, on the value of theirs--if the
23 provider, the dealer, the bank defaults you don't--not only is
24 your principle not at risk, but you also have the right to
25 collect the future earnings that were promised to you. Under a

1 GIC you normally don't have that. I'm not sure how CDs work
2 that well. I don't think you have it with a CD either.

3 MR. LAWRENCE: And what investments were available to
4 TSA that would mirror the risk profile of the RFA?

5 MR. SHAPIRO: It would have no principle risk and it
6 would have the--a breakage where you're entitled to the future
7 interest that you were promised.

8 MR. LAWRENCE: Whatever the RFA risk is.

9 MR. SHAPIRO: Yes, that's just to summarize that as
10 the two key profile points. You know, there are cash
11 investments where you do not put principle at risk and what I
12 would call near cash short-term investments. You know, nothing
13 else quite mirrors the same risk.

14 MR. LAWRENCE: Could you describe specifically what
15 some of those--for example, can you tell me whether or not a
16 money market investment is the type of investment you're
17 talking about?

18 MR. SHAPIRO: Yeah. It depends on the money market
19 investment. There are money markets which consists purely of
20 government or Treasury securities. There are ones that are
21 securities. There are ones that are rated AAA. The government
22 investments you'd have to ascribe, you know, close to zero
23 probability of loss due to default. The AAA ones you ascribe a
24 slightly higher risk than you'd have on this.

25 MR. LAWRENCE: Could you go to Exhibit 99. We're

1 kind of going in reverse order of what Mr. Tambe discussed.
2 This is the email that Mr. Tambe, email chain that Mr. Tambe
3 discussed between you and Kim Herman where Mr. Herman expressed
4 that he was not--it would be a cold day in hell--the cold day
5 in hell email.

6 Can you describe the context of the--out of which
7 this email chain came?

8 MR. SHAPIRO: Can I take a minute just to review?

9 MR. LAWRENCE: Yeah, absolutely. Absolutely.

10 MR. SHAPIRO: Yeah, context clearly was a settlement
11 discussion that was going on with Lehman estate staff.

12 MR. LAWRENCE: And what was--in terms of the context
13 that you were discussing, what was the issue that Lehman, the
14 position Lehman was taking that led to Mr. Herman's email?

15 MR. SHAPIRO: There were a number of things discussed
16 on this call. It's already-- one of the items, I think which
17 is submitted in evidence, was my notes from this call. But
18 the-- one of the--this is where the issue of Lehman looking for
19 this unheard of agency curve idea was discussed--that they were
20 coming up with a very novel and untried way of saying you
21 could--if you did agencies you could maybe get to a higher
22 number.

23 MR. LAWRENCE: And was Lehman taking the position it
24 was owed money on this call, correct?

25 MR. SHAPIRO: I'd have to look back. I don't-- it

1 sounds from Mr. Herman's email, like they said they might get
2 to that, but the discussion back and forth was about what
3 spread. I, you know, I didn't take it seriously that anybody
4 was thinking they would be owed money, that they would, you
5 know, clearly if you're looking to settle for a smaller claim
6 it's possible. That's their job. They're trying to minimize
7 the claim.

8 MR. LAWRENCE: Okay, I'm going to show you what has
9 been marked as debtor's Exhibit 31 which Mr. Tambe asked you
10 about, correct?

11 MR. SHAPIRO: Yes.

12 MR. LAWRENCE: And there is a reference that he
13 brought to your attention to about an uncollateralized GIC at
14 about 5.25 percent. Do you remember that?

15 MR. SHAPIRO: Yes.

16 MR. LAWRENCE: Could you explain what the difference
17 is in the risk profile between an uncollateralized GIC and the
18 risk profile of the RFA?

19 MR. SHAPIRO: Yeah. The difference on this is huge.
20 You're facing here ING, a European diversified financial
21 organization that was obviously suspected of potentially having
22 some issues, even though the rating agencies had still kept it
23 at that point at a AA rating and you'd be facing them here for
24 how many years does it say in the--? It's cut off on the
25 right. I believe this was for a long-term agreement so in this

1 case TSA would be facing, you know, a European financial
2 institution in the midst of the worst financial crisis in
3 modern times and taking risk as to all of their principle for a
4 long period of time.

5 MR. LAWRENCE: And you were asked about the LIBOR
6 minus 150 and how that would relate to what the current
7 replacement RFA would be. What would you have to take into
8 account that wouldn't be reflected in a pre-Lehman bankruptcy
9 trade to try to replicate an agreement in the post-Lehman
10 world?

11 MR. SHAPIRO: On--if I can ask you to clarify just on
12 that issue of the 150-ish spread.

13 MR. LAWRENCE: Right, because that's--I think Mr.
14 Tambe asked. He said look, let's say there was a trade
15 occurring pre-Lehman at L minus 150, how would you go about
16 getting it to a post-Lehman world?

17 MR. SHAPIRO: Right and--

18 MR. TAMBE: That wasn't my question so it misstates
19 the question in his prior testimony, but he can ask me
20 questions.

21 THE COURT: Okay. We'll leave open the question of
22 whether it accurately reflects the prior testimony, but go
23 ahead.

24 MR. TAMBE: You can answer the question.

25 MR. SHAPIRO: If the world were a LIBOR minus 150

1 world pre-Lehman, you know, when as to look at Mr. Singer's
2 email from December 9 I would assume that a current FPA would
3 be priced well below LIBOR as the last trades were occurring at
4 L 150-ish. Post-Lehman, and it wasn't just Lehman, this was a
5 massive credit crisis. You know, Merrill was supposed to go
6 down, AIG, Fannie, Freddie all of the credit spreads had
7 widened enormously, as we've discussed. So, if it was LIBOR
8 minus 150-ish pre it's going to be much wider post.

9 MR. LAWRENCE: Now if you recall Mr. Tambe showed you
10 a loss calculation that you did for New York subsequent to the
11 loss calculation you did for Washington. Can you first of all
12 tell us in terms of the methodologies that you utilized, the
13 basic structure in terms of doing loss calculation, are there
14 differences between the two?

15 MR. SHAPIRO: The approach is basically the same.

16 MR. LAWRENCE: And the approach being looking at
17 spreads--

18 MR. SHAPIRO: Look at where interest rates are and
19 where spreads are and how do you quantify both of those. Where
20 are interest rates on the date in question and where are--where
21 is-- what's happened with the spread as best we can measure it
22 given the limitation on the lack of live trading in this
23 market.

24 MR. LAWRENCE: And Mr. Tambe points out that in the
25 New York memo you wrote about the market quotation process.

1 Remember that?

2 MR. SHAPIRO: Yes.

3 MR. LAWRENCE: You didn't do that for Washington,
4 correct?

5 MR. SHAPIRO: Yes.

6 MR. LAWRENCE: And can you explain why?

7 MR. SHAPIRO: Yes. Because the--I believe--it was a
8 specific request from New York that we put that in the memo.

9 MR. LAWRENCE: You didn't--

10 MR. SHAPIRO: Our record-keeping in both cases was
11 the same. There was no separate record that you can see, but
12 we just put it in the memo the firms that we had telephoned.

13 THE COURT: Hold on. Hold on. So, in the New York
14 case when somebody wrote that October 19th memo, you and Mr.
15 Vergara--

16 MR. SHAPIRO: Yes.

17 THE COURT: Okay. You just went from memory.

18 MR. SHAPIRO: No, we know those. We're talking to
19 these people every day. You know, we know what that list
20 consists of. This is what we do and we're doing transactions
21 all day long, your Honor.

22 THE COURT: So, in this memo to New York you say on
23 September 11th SFG, Swap Financial Group, on behalf of TSFC
24 distributed a term sheet, execution copies of the RFAs and
25 credit and financial information to 14 dealers. So that's not

1 phone calls.

2 MR. SHAPIRO: No, that was different. You're
3 correct.

4 THE COURT: Okay. So that's what you--

5 MR. SHAPIRO: I should turn to the exhibit, your
6 Honor.

7 THE COURT: No, so that's what you did for them and
8 then you say through October 16th the following responses were
9 received, pass, pass, pass, pass, pass.

10 MR. SHAPIRO: Correct.

11 THE COURT: So how did those responses come back to
12 you?

13 MR. SHAPIRO: Telephone.

14 THE COURT: Telephone.

15 MR. SHAPIRO: Yeah. We may have had an email or two
16 on email response, but almost all are telephone.

17 THE COURT: Okay, thank you.

18 MR. LAWRENCE: And the responses that you testified
19 to with respect to the Washington TSA are favored placement
20 were communicated to you how?

21 MR. SHAPIRO: On the Washington?

22 MR. LAWRENCE: Yes.

23 MR. SHAPIRO: By telephone.

24 MR. LAWRENCE: Now, Mr. Gruer, who is the
25 plaintiff's--I'm sorry, Lehman's expert, in his report

1 indicated that there was an inactive market for reserve fund
2 agreements in March of 2009. Can you tell me whether or not
3 you agree with that conclusion?

4 MR. SHAPIRO: Yes.

5 MR. LAWRENCE: And can you tell me whether or not
6 that conclusion--how that conclusion relates to your experience
7 in terms of trying to obtain quotations, market quotations?

8 MR. SHAPIRO: His conclusion, the same as any
9 reputable participant in the market, was the same. There was
10 no market for these agreements.

11 MR. LAWRENCE: Now, one of the exhibits that you were
12 shown was a quote or an indication from Wachovia. Do you
13 remember that?

14 MR. SHAPIRO: Yes.

15 MR. LAWRENCE: And could you explain whether that--
16 could you explain what are the issues in your mind with that
17 quote?

18 MR. SHAPIRO: There--can I turn to it? What's the
19 exhibit number?

20 THE COURT: You're talking about debtor's 101?

21 MR. LAWRENCE: Let me just make sure that's the right
22 one.

23 MR. SHAPIRO: The one with the Casey Rogers quote?

24 MR. TAMBE: It's 44, your Honor.

25 MR. LAWRENCE: 44, thank you.

1 THE COURT: 44?

2 MR. SHAPIRO: Yeah, you look at this and you could
3 say at this time Lehman was trying to get somebody to provide
4 them with a quotation because you see that from the email. You
5 know, we know from our conversations with them that this was
6 the only one that they succeeded in getting even an indicative
7 on and, you know, he's bugging them for your indicative level.
8 It's purely an indicative on this one and he attaches it saying
9 that this is our indicative. Based upon looking at it we're
10 making some assumptions that we have to correct and the like.
11 And then in their--in the term sheet format, which is found on
12 I guess it's page 4, they stick a series of notes at the bottom
13 making it pretty clear that they didn't go through their credit
14 process, it's not an actionable quote in any manner. You know,
15 if it were it's expired, all sorts of caveated wording like
16 that. You know, that's another point there and then finally
17 the upfront payment amount itself, just simply doing quick
18 shorthand, raises real questions.

19 MR. LAWRENCE: So, what is the difference between
20 this indicative quote, I think you described it, and what a
21 true market quotation would look like?

22 MR. SHAPIRO: A true market quotation would first of
23 all be from a firm that says I'm in this market, I provide this
24 product. It wouldn't be conjecture from someone who would say
25 if somebody else were doing it in the market and the market

1 world were open, here's what it would be. You need to have
2 somebody who is a leading dealer in the relevant market, that
3 is who can make that statement, you know, and say that this is
4 a bona fide good quotation. So, that's, you know, the standard
5 that we apply. We don't want something which is someone's
6 estimation based upon a market they're not in.

7 MR. LAWRENCE: Now, I'm not going to suggest they
8 didn't because Lehman didn't pass this on to TSA, but if this
9 had been passed on to TSA could TSA call up Wachovia and say
10 let's do it?

11 MR. TAMBE: Objection, calls for speculation. No
12 personal knowledge either.

13 THE COURT: Sustained.

14 MR. LAWRENCE: All right. Based on what's in the
15 quote was this a quote that TSA could have required Wachovia to
16 act upon?

17 MR. TAMBE: Again, speculative.

18 MR. LAWRENCE: I think that's what in the--

19 THE COURT: That one's overruled. You can answer
20 that one.

21 MR. SHAPIRO: No. He says this is not quote you can
22 you can use for acting.

23 THE COURT: Where does it say that?

24 MR. SHAPIRO: It says at the bottom. He says, you
25 know, if--please note the quote was not entered into. If we

1 made an offer to enter into it that's expired and is null and
2 void. It may be subject to credit approval, should not be
3 construed as a commitment.

4 THE COURT: Okay. So that doesn't say what you just
5 said it said.

6 MR. SHAPIRO: Well, he's saying hasn't gotten any of
7 those approvals. He's saying if there was any such offer it's
8 expired so you couldn't enter into it.

9 THE COURT: So you don't--so based on this you don't
10 know whether they made an offer or not.

11 MR. SHAPIRO: I know that--

12 THE COURT: It doesn't say this is not--no offer was
13 made. It says the quote transaction was not entered into. If
14 Wachovia made an offer, such offer has expired--if, right?

15 MR. SHAPIRO: Your Honor, if there was like a verbal
16 offer that's not recorded anywhere from the bank.

17 THE COURT: I'm just trying to understand--

18 MR. LAWRENCE: Can you explain to the Court why you
19 believe this is not an offer or that there was no offer
20 associated with it?

21 THE COURT: I'm not going to allow that question. I
22 withdraw my own question.

23 MR. LAWRENCE: Given your experience in dealing with
24 dealers and obtaining indicative and market quotations, would
25 you--what is your understanding of whether this itself is an

1 actionable quote?

2 MR. TAMBE: Objection, lack of foundation,
3 speculation. This witness' testimony is when he calls dealers
4 they hang up on him so I don't think he has any basis.

5 THE COURT: Okay. I think we've run to ground on
6 this exhibit.

7 MR. LAWRENCE: Let's go to Exhibit 48. Now Exhibit
8 48 is your review of the first James Vergara loss calculation
9 memo, correct?

10 MR. SHAPIRO: Yes, first draft.

11 MR. LAWRENCE: First draft. And it took you until
12 April 20th to provide your response, correct?

13 MR. SHAPIRO: Right. April 19 I think it is.

14 MR. LAWRENCE: Okay.

15 MR. SHAPIRO: Yeah.

16 MR. LAWRENCE: And one of the things that you were
17 responding to was his use of a LIBOR minus 150. Do you see
18 that?

19 MR. TAMBE: Objection, leading, your Honor.

20 MR. LAWRENCE: I'm just pointing him to the place in
21 the document.

22 THE COURT: Okay, keep going.

23 MR. SHAPIRO: Yes.

24 MR. LAWRENCE: Okay. And what was your response to
25 Mr. Vergara's use of the LIBOR minus 150?

1 MR. SHAPIRO: My response, as I've mentioned before,
2 was back this up. Where do you get this number from? We need
3 to be rigorous here.

4 MR. LAWRENCE: And then subsequently he provided a
5 second loss calculation using a three percent number for the
6 credit spread, correct?

7 MR. SHAPIRO: Yeah, he put a cei--he derived the bond
8 spread and then put a ceiling at three percent on it.

9 MR. LAWRENCE: And what was your concern about doing
10 that?

11 MR. SHAPIRO: My only concern was what's the basis
12 for it? We need to have a basis. We need to have a reason.

13 MR. LAWRENCE: So, what is--why did--so what is the
14 basis for moving from three to 4.29 as you did?

15 MR. SHAPIRO: The 4.29 number was an observable
16 metric from the market.

17 MR. LAWRENCE: And again, what is--what are the
18 observations that you're looking at to get to the 4.29?

19 MR. SHAPIRO: The spread between the bond and the
20 single A revenue bond index found on Bloomberg.

21 MR. LAWRENCE: And that's the same index that Mr.
22 Vergara looked at, but he reduced that down to three?

23 MR. SHAPIRO: Yeah. That was one--that was the same
24 index used that he input that three ceiling on.

25 MR. LAWRENCE: Now, there was some discussion with

1 Mr. Tambe about the fact that in your rebuttal report you--

2 THE COURT: Can I just interrupt you?

3 MR. LAWRENCE: Sure, absolutely.

4 THE COURT: So just on this issue of the credit
5 charge, in the New York document that we've had a lot of
6 conversations about--

7 MR. SHAPIRO: Judge, can I just--

8 THE COURT: Yes, turn to it.

9 MR. SHAPIRO: Which exhibit is it?

10 THE COURT: Exhibit 71, right?

11 MR. LAWRENCE: And it's at the end of 71.

12 THE COURT: Yeah, at the end of 71.

13 MR. SHAPIRO: Great. Thank you.

14 THE COURT: So in the table, which is on page five,
15 for that calculation by your firm the credit spread is a 2.427.
16 Do you see that? It's in the box at the bottom of page five.

17 MR. SHAPIRO: I'm seeing a credit spread of 2.166.
18 Am I looking in a different place?

19 THE COURT: I'm looking at the October 19th 2009--

20 MR. SHAPIRO: Oh, I'm looking at the September 17 in
21 my book.

22 MR. TAMBE: It's Exhibit 71, your Honor.

23 THE COURT: Exhibit 71, right.

24 MR. TAMBE: I think you're looking at 150.

25 THE COURT: I'm sorry, did I--?

1 MR. TAMBE: Yeah, I think you're looking at 150 which
2 is why we stuck with 71. That's what he had been shown before.

3 THE COURT: Are those two different documents?

4 MR. TAMBE: Yeah.

5 THE COURT: I'm sorry, I don't mean to be confusing
6 everybody.

7 MR. TAMBE: That's why we didn't use 150 in the
8 examination.

9 THE COURT: Okay, so 71?

10 MR. TAMBE: Yeah.

11 THE COURT: If you would just give me a moment.
12 Okay, thank you. So, in 71 in the table, which is attached to
13 the proof of claim, the credit spread is 2.166, right?

14 MR. SHAPIRO: Correct.

15 THE COURT: So could you just rationalize that number
16 to Mr. Vergara's--and also there's an indication--I'm sorry.
17 Could you just explain to me why that's about half of what you
18 used in the Washington TSA calculation?

19 MR. SHAPIRO: Yes, if I can refer you back one page.

20 THE COURT: Sure.

21 MR. SHAPIRO: On the--under the caption.

22 THE COURT: Charges?

23 MR. SHAPIRO: Yeah.

24 THE COURT: Yup.

25 MR. SHAPIRO: Second paragraph you'll see there is a

1 sentence four lines down that says the bonds are currently
2 trading at a yield of 7.136.

3 THE COURT: Yes. Right.

4 MR. SHAPIRO: That's compared to Washington's at the
5 point in time of valuation that we're trading at 10.

6 THE COURT: Okay.

7 MR. SHAPIRO: So that's going to be the biggest
8 determinant. Of course, the underlying municipal bond index--

9 THE COURT: Right.

10 MR. SHAPIRO: --will also have moved--

11 THE COURT: So the higher the yield the greater the
12 risk, the more you have to include a charge under your
13 methodology.

14 MR. SHAPIRO: That's what the market is saying, yes.

15 THE COURT: Okay. Now here the last sentence says,
16 "For the purpose of our analysis we have assumed a value for
17 the risk of the municipal bond credit of 2.166 or 50 points
18 greater than the current spread." So does the number that
19 you've included in the calculation for Washington against
20 Lehman, does that include that cushion or is it an actual we
21 looked at Bloomberg and we took the number?

22 MR. SHAPIRO: Nothing additional was added in the
23 Washington case so it wasn't--there was no 50 basis point
24 addition that we put on.

25 THE COURT: Okay, thank you.

1 MR. LAWRENCE: And obviously if you had added 50
2 points to the spread on the Washington TSA bonds that would
3 have increased the credit charge.

4 MR. SHAPIRO: Yes.

5 CLERK: It would increase the?

6 MR. LAWRENCE: Credit charge. Now there was some
7 discussion about the reassessment that you did in the rebuttal
8 report regarding the CP credit spread. I'm sorry, the CP
9 spread, correct?

10 MR. SHAPIRO: Correct.

11 MR. LAWRENCE: First of all, let me ask you did you
12 change your loss calculation based on the correction of what
13 you perceived as an error?

14 MR. SHAPIRO: No.

15 MR. LAWRENCE: And why didn't you do that?

16 MR. SHAPIRO: I--as I mentioned, I felt that all of
17 these elements in toto represent a gross spread. We look, you
18 know, when we--when we look at a transaction that's originally
19 put on by a dealer it's got a gross spread in it. Lehman's in
20 '02 was LIBOR minus 105. The components of that, even when you
21 talk to the traders, have some degree of fungibility or, you
22 know, there-in other words, you know, one pocket will have some
23 effects that may be absorbed by another pocket. So, we felt
24 like, you know, we didn't need to change the valuation based
25 upon that.

1 I'd add one additional thing and that is the process
2 of changing a claim is a little bit difficult legally from what
3 I understand.

4 MR. LAWRENCE: Are you comfortable as you sit here
5 today with the total spread analysis in your loss calculation?

6 MR. SHAPIRO: I am.

7 MR. LAWRENCE: Now there was some discussion with Mr.
8 Tambe about the reason why you had to do a change and I would--
9 there was a discussion between the H15 screenshot and the
10 screenshot that you utilized in your rebuttal report. Could
11 you explain the differences between those two Bloomberg
12 screens?

13 MR. SHAPIRO: Yeah. This is the critical issue in
14 terms of upon further analysis when we go back and re-examine
15 and re-examining because we're, you know, there--this is a long
16 process with lots of questions and many steps along the way--
17 settlement discussions, mediation all of those kinds of things.
18 So, we look back and say, is there any error, is there any way
19 we could look at this differently. When I looked at this,
20 again subsequent to my first deposition but before my third
21 deposition having sat through about 20 hours of depositions on
22 his case, I looked back and it was clear that the H15 spread we
23 looked at was the spot spread. That is, where CP, as defined
24 by the Federal Reserve's H15 publication as it's called, which
25 is not quite comparable to this CP. It's a little cheaper CP

1 by the way. In other words it would be a little higher in
2 yield, but that spread would be on that one day, not where it
3 would be if we're hedging it out for the remaining 23 years of
4 the contract.

5 MR. LAWRENCE: And so the other screen looks at what
6 information?

7 MR. SHAPIRO: There is a way to hedge floating LIBOR
8 versus floating CP. You know, that is these are floating
9 instruments.

10 MR. TAMBE: I have an objection to the extent this
11 goes beyond what he's put in his rebuttal report. Now he's
12 just coming up with new theories, your Honor.

13 MR. LAWRENCE: I think he's explaining what--

14 THE COURT: I think he's explaining the difference
15 between these screens which I think you opened the door to, Mr.
16 Tambe.

17 MR. SHAPIRO: And this--the other screen is the
18 screen that says where can a dealer go into the market and
19 hedge the spread the three-month LIBOR and H15 CP. And that
20 will tell you for how many years at how much, you know, what
21 you will be able to pay or receive and what it shows here is
22 that the dealer would be able to receive the numbers that we
23 came up with which works out at 23 years to roughly three basis
24 points.

25 MR. LAWRENCE: And why is that screen that talks

1 about the swap hedges information more appropriate to use than
2 the H15 screen?

3 MR. SHAPIRO: It states what the value is for that 23
4 year length of time and where a replacement dealer, if one did
5 exist, would commit to locking in. They wouldn't commit to
6 locking in based upon rates on one day, the so-called spot
7 rate. They would look at where they could get rid of the risk
8 because they don't want to own the risk. In fact, bank trading
9 desks aren't supposed to own risk like that. They're supposed
10 to lock it in.

11 MR. LAWRENCE: So the H15, can you tell me whether or
12 not that's a short-term rate?

13 MR. SHAPIRO: H15 is a short-term rate based upon CP
14 that is either A1 or P1. It has to have at least one of those
15 ratings. Washington's contract requires them to not only have
16 both, but actually A1 plus, a sort of super high-quality rate.
17 So it would be even lower technically.

18 MR. LAWRENCE: And can you tell me whether or not the
19 hedge spread rate does that show us what a dealer would have
20 been able to hedge at on March 25th 2009?

21 MR. TAMBE: Objection, leading, your Honor,

22 CLERK: On March?

23 MR. LAWRENCE: Can you tell us what that tells us
24 about whether or not--what level a dealer could hedge at on
25 March 25th 2009?

1 MR. SHAPIRO: It tells us that a dealer could hedge
2 at that level, assuming there was that size available in the
3 market. You know, the screens are not perfect. Sometimes, if
4 you try to do too much size, you'll push the number against
5 your interest.

6 MR. LAWRENCE: There was--there's been a good amount
7 of discussion about how you apply the charges and the spread
8 that that results in. Is there--in terms of the valuation that
9 you get at the end of the day, does it matter whether you're
10 taking that against the fixed rate or LIBOR in terms of what
11 the end result is?

12 MR. SHAPIRO: Could you explain your question again?
13 I'm not quite catching.

14 MR. LAWRENCE: I'm just trying to--you express--well,
15 let me ask you this differently. You expressed that the
16 equivalent replacement contract, hypothetical replacement--

17 MR. SHAPIRO: I think I understand.

18 MR. LAWRENCE: Okay.

19 MR. SHAPIRO: And that is, when a trader discusses an
20 instrument like this, they will say it's--as Nat expressed it,
21 who sat on a trading desk for more than 20 years, it's LIBOR
22 minus 150-ish. Now, he knew at the moment he said that that
23 LIBOR was down in the, you know, low double digits, that, in
24 other words, LIBOR minus 150 as a floating rate would produce a
25 negative number.

1 Nat's not a stupid guy. When a trader is saying, "LIBOR
2 minus 150," he's saying that's where the fixed rate, looking at
3 a LIBOR swap, would be. And you subtract the 150 off the fixed
4 rate.

5 MR. TAMBE: I ask for that entire answer to be
6 stricken. It sounds like it's not his personal knowledge.
7 He's just speculating as to what Nat Singer knew.

8 THE COURT: Sustained.

9 MR. LAWRENCE: Can you explain, in--when you
10 submitted the report as your expert opinion, what--how you
11 applied the spread?

12 MR. SHAPIRO: Yeah. The spread would come off the
13 fixed rate. Any trader would express it that way, in my
14 personal experience.

15 MR. LAWRENCE: And if you do--if you subtract 3.874
16 from 4.484, what do you get?

17 MR. SHAPIRO: By simple subtraction, I think we--I
18 stated we get 61 basis points, 0.61 percent.

19 MR. LAWRENCE: So, what is the contract--the
20 replacement hypothetical contract that you're trying to
21 replicate in the market, in the inactive market? What would
22 that contract offer? What fixed rate would that offer?

23 MR. SHAPIRO: It would offer, you know, a fixed rate
24 along that--along those lines for the remaining life of the
25 contract.

1 MR. LAWRENCE: Along the lines of 0.61 percent?

2 MR. SHAPIRO: Yes.

3 MR. LAWRENCE: Okay. And so you're comparing the
4 value of that contract with the value of the RFA of 4.484
5 percent?

6 MR. SHAPIRO: Correct.

7 MR. LAWRENCE: And then you discount that to present
8 value?

9 MR. SHAPIRO: Correct.

10 MR. LAWRENCE: And then that's how you come up with
11 your 38 million?

12 MR. SHAPIRO: 8 million, yeah.

13 MR. TAMBE: Your Honor, I'd ask for all of that
14 testimony to be stricken. We have no (indiscernible) papers,
15 nothing to support the testimony that witness just gave. It's
16 a new theory.

17 MR. LAWRENCE: Oh, okay. I can--I'd be happy to
18 address it for the record, because three time at least--two or
19 three times in his deposition, he explained the 0.61, starting
20 in his first deposition and in his last deposition. So, the
21 idea that this is a new theory is simply not in the record.

22 THE COURT: We're going to keep going, and I'll--when
23 I review the prior depositions, I'll make a determination as to
24 whether or not this answer is (indiscernible), okay?

25 MR. LAWRENCE: Sure. And so, just to understand the

1 process--

2 THE COURT: Right.

3 MR. LAWRENCE: We will be entitled then to submit to
4 the Court those sections of the deposition?

5 THE COURT: Sure.

6 MR. LAWRENCE: Okay. Great. Thank you.

7 THE COURT: Yes.

8 MR. LAWRENCE: With that understanding that we would
9 be happy to submit those provisions of the deposition to the
10 Court--

11 THE COURT: Okay.

12 MR. LAWRENCE: I have nothing further.

13 (indiscernible)

14 MR. TAMBE: Just a couple of questions, your Honor,
15 just about principal risk. Under the RFA, if Lehman delivered
16 commercial paper, and the commercial paper supplier defaulted,
17 that's the TSA's risk, correct?

18 MR. SHAPIRO: If Lehman delivered the commercial
19 paper, and, during that brief window--

20 MR. TAMBE: Six months.

21 MR. SHAPIRO: Yeah, that six-month period, yes, that
22 would be their risk.

23 MR. TAMBE: So, for example, in June of 2008, if
24 Lehman delivered commercial paper, someone could have defaulted
25 in the fourth quarter of 2008 and that would have been TSA's

1 loss, right?

2 MR. SHAPIRO: That's correct.

3 MR. TAMBE: Great. And the type of paper Lehman
4 could have delivered in June of 2008 could have been commercial
5 paper from ING, correct?

6 MR. SHAPIRO: I'd have to look at what ING's ratings--
7 --if they--

8 MR. TAMBE: Right, so--

9 MR. SHAPIRO: That highest short-term rating, and
10 were not on Credit Watch.

11 MR. TAMBE: Right.

12 MR. SHAPIRO: Yeah.

13 MR. TAMBE: So, if they had that rating, you could
14 have delivered ING commercial paper, and ING could have
15 defaulted, and TSA would be stuck with the principal loss.
16 Okay.

17 MR. SHAPIRO: Yeah. It would be, you know, six-month
18 risk to ING. That's correct.

19 MR. TAMBE: Just want to understand the discussion
20 about the different Bloomberg screens. Right? The screen that
21 Mr. Vergara looked at and the one he used, which got the 66.6
22 basis point spread, that's a screen that told you the value of
23 the securities to be delivered, the commercial paper, correct?

24 MR. SHAPIRO: No. It compared the rates between--
25 let's--show me the exhibit so I'm not answering based upon

1 speculating on what you mean.

2 MR. TAMBE: Okay. Well, let's go back to your
3 Exhibit W, page two. Now, the top, let's look at your
4 methodology, the use of the LIBOR plus spread.

5 MR. SHAPIRO: Right.

6 MR. TAMBE: And what you say in your methodology
7 there is what you're doing is you're looking at the sixth leg,
8 and the floating leg is the value of the securities which are
9 to be delivered. Do you see that?

10 MR. SHAPIRO: Yeah.

11 MR. TAMBE: And that's what the LIBOR plus 66.6 entry
12 was about. It's the value of the securities to be delivered,
13 commercial paper. Correct?

14 MR. SHAPIRO: Technically it's the rates. It's one
15 rate versus the other, yeah.

16 MR. TAMBE: It's the commercial--it's the value of
17 the commercial--that--these are your words. So, it's the value
18 of the securities which are going to be delivered, right?

19 MR. SHAPIRO: If I were wordsmith-ing it a little
20 more, I would say it's the rate, not the value. The value
21 could be the price, and a CP, if it were downgraded, would fall
22 in price from part to lower.

23 MR. TAMBE: Well, you wordsmith-ed this document a
24 lot. We saw all the drafts of this document.

25 MR. SHAPIRO: Yeah.

1 MR. TAMBE: You wordsmith-ed this over and over
2 again, right?

3 MR. SHAPIRO: Well, I could still continue wordsmith-
4 ing.

5 MR. TAMBE: I'm sure you could. Nowhere in this
6 discussion of commercial paper spreads do you say what you're
7 valuing is the hedging transactions that the trader's going to
8 enter into. Correct? That's not said in here.

9 MR. SHAPIRO: Correct.

10 MR. TAMBE: Okay. And that's what your rebuttal
11 report talks about, is the value of the hedging transaction and
12 the screens that support the hedging transaction, not the value
13 of the securities which are to be delivered in this deal.
14 Correct?

15 MR. TAMBE: Not the spread between the two rates on
16 that date.

17 MR. TAMBE: Okay. Thank you.

18 THE COURT: That's it? Okay.

19 MR. LAWRENCE: I think we're done.

20 THE COURT: All right. Mr. Shapiro, thank you very
21 much. Thank you for your patience. You're excused.

22 MR. SHAPIRO: Thank you, your Honor.

23 THE COURT: Okay.

24 MR. SHAPIRO: And my apologies again for when I--

25 THE COURT: No apologies necessary.

1 MR. SHAPIRO: Okay.

2 THE COURT: We're all just trying to do our job.

3 MR. SHAPIRO: Okay.

4 THE COURT: Okay? Is this where you want to take a
5 lunch break? Do you want to start with Lehman's case?

6 MR. TAMBE: I'm not sure if they're done with their
7 case.

8 MR. LAWRENCE: We are done.

9 MR. TAMBE: Okay.

10 MR. LAWRENCE: Yeah, I mean, you've had both
11 witnesses, so they know.

12 MR. TAMBE: Well, in that case, your Honor, we're
13 going to move for judgment in our favor. Under rules--
14 Bankruptcy Rule 19-14 and Bankruptcy Rule 70-52, they have
15 failed on every element of their burden of proof, your Honor.

16 THE COURT: (indiscernible)

17 MR. TAMBE: This record does not support any claim in
18 any amount.

19 THE COURT: Can you elaborate a little more?

20 MR. TAMBE: Sure. Do we have the opening slides?

21 THE COURT: You want me to look at your opening book?

22 MR. TAMBE: The opening--yeah. I'll just use that
23 for organization.

24 THE COURT: Okay.

25 MR. TAMBE: And, if you go to the burden of proof, I

1 think it's the third slide or fourth slide. The next slide.
2 You've got a set of valuation reports from Curry and Hasterok
3 that we believe, your Honor, can't be admitted. And the record
4 is now closed on their submission. It's not reliable, departs
5 from market practice, departs from their own experience. So,
6 you should disregard those. In addition, it violates Section
7 562 to the extent that looking at facts beyond March 2009 to
8 support an opinion given as of March 25th, 2009.

9 We just got through the examination of Mr. Shapiro. I
10 don't believe even he would say that the document that's been
11 filed as a claim with this Court is one that he stands behind
12 right now. He thinks it's all fungible at this point. He's
13 changed his methodology. He's given us several different
14 answers of what his approach is.

15 We've had absolutely no basis offered by him as to why
16 market quotations were not done. There's no--not a scrap of
17 evidence other than his words as to what was done about the
18 market quotation process. And the contract's pretty clear:
19 you got to go through market quotation if you want to get the
20 loss. They didn't do it.

21 We don't think the results are reasonable. I think you
22 asked some questions about the present value of the fixed leg,
23 and is the claim amount larger than the present value of the
24 fixed leg. It is, your Honor. If you discount that fixed leg
25 back, just by LIBOR, not their cost of credit, they've come up

1 with a number where you're sticking the money in the mattress
2 and then you're adding more money to it.

3 They're actually losing money by doing nothing. That's
4 their view of loss on this case. I don't think that's
5 reasonable. Manifest error? That's a plain error.

6 We think we've made the case, based on documents and
7 testimony, that this was not a process that was run in good
8 faith, nor was it run reasonably. That's what the evidence
9 shows, your Honor. I think the record from their side is
10 closed. We don't think they have made a prima facie case for
11 any claim in any amount.

12 THE COURT: All right. Mr. Lawrence?

13 MR. LAWRENCE: Not surprisingly, we disagree. So,
14 first of all, we believe that we did abide by the RFA, which
15 requires the parties to calculate TSA, as the burden's party,
16 total loss or gains in the process. We presented two different
17 methodologies to do so, one that relies on the actual
18 investment opportunities that were available to TSA to mirror
19 the risks of the RFA, and based on actual, factual data between
20 the date of fail delivery and the date of the rejection, what
21 those returns were.

22 And the opinion, whether they disagree with it or not,
23 that, over the next 23 years, even though it was above what in
24 fact TSA was gaining over the last four years, that the average
25 rate of return over the 23 years would probably mirror the

1 first four months. Fact-based, based on actual losses, which
2 is the language of the RFA. They can criticize it that it's
3 not based on the curve.

4 But let's talk about the curve. The curve--

5 THE COURT: Wait. But wait.

6 MR. LAWRENCE: Sure.

7 THE COURT: What you just said was more geared
8 towards the Curry and Hasterok approach than the swap financial
9 approach, correct?

10 MR. LAWRENCE: Right. But they explained why they
11 rejected the curve in their (indiscernible). Okay.

12 THE COURT: Yes, they explained why they rejected the
13 curve. Right.

14 MR. LAWRENCE: Yes, yes. So, I am talking about--

15 THE COURT: Okay.

16 MR. LAWRENCE: And I don't need to go into further--

17 THE COURT: Right. We're not having closing argument
18 here.

19 MR. LAWRENCE: Okay.

20 THE COURT: We're just--I just want to give you an
21 opportunity to respond--

22 MR. LAWRENCE: Sure.

23 THE COURT: To the motion for judgment.

24 MR. LAWRENCE: Sure. The Swap Financial Group went
25 out and tried to do a hypothetical replacement approach. Let

1 me start with the market quotation piece.

2 THE COURT: But, bounded by--but, on--or informed by
3 the RFA's definition of termination around--right?

4 MR. LAWRENCE: True. Yes. Yes.

5 THE COURT: To give Washington TSA the benefit of
6 their bargain. That's what they should get, right? The
7 benefit of their bargain.

8 MR. LAWRENCE: Exactly. And what he was trying to do
9 was compare, okay, what is the benefit of the RFA with Lehman?

10 THE COURT: Right.

11 MR. LAWRENCE: And what would be the benefit of a
12 replacement--hypothetical replacement contract?

13 THE COURT: Right.

14 MR. LAWRENCE: Because it was--everyone agrees that
15 it was an inactive market for FPAs at that time.

16 THE COURT: Two different things. Those are apples
17 and oranges. The benefit of--

18 MR. LAWRENCE: I'm just saying why he went to a
19 hypothetical model.

20 THE COURT: Okay.

21 MR. LAWRENCE: So, you have--in his view, and whether
22 or not--his view is that there's value in the RFA getting 4.84
23 percent. How does that compare to the value of a hypothetical
24 replacement fixed-rate contract you could get as of March 2009?
25 And he looks net present values, the differences in values, and

1 that is the loss of bargain or the loss of TSA.

2 THE COURT: Yeah.

3 MR. LAWRENCE: That is his methodology. And there is
4 criticism by Mr. Gruer of his credit charge. But there's no
5 criticism that the methodology of using deliverables, credit
6 spreads, profit spreads is the way that a hypothetical dealer
7 would in fact--

8 HE COURT: Right. But--okay. But then I have--but
9 you're asking me to harmonize the views of Mr. Shapiro about
10 his use of the broadly accepted methodology and, at the same
11 time, accept as equally persuasive the methodology that Mr.
12 Curry and Mr. Hasterok came up with, which snapshots interest
13 rates during probably the worst four months in the country's
14 financial history since 1929.

15 I don't know what happened. I don't know what the
16 gyrations looked like in '87. I'd like to say I was too young,
17 but I wasn't. But that's the snapshot. We did a lot on the
18 snapshot issue. So, I've got to harmonize those two things.
19 And you're skipping over the issue about the--obtaining the
20 market quotes.

21 MR. LAWRENCE: First let me step back to the--

22 THE COURT: Okay.

23 MR. LAWRENCE: Snapshot question that you asked. A
24 forward curve is a snapshot of the market on a single day.
25 It's not based on a market over four months.

1 THE COURT: Yeah.

2 MR. LAWRENCE: Or four years. It's a single day.

3 So--

4 THE COURT: Understood.

5 MR. LAWRENCE: In terms of snapshots--

6 THE COURT: Right.

7 MR. LAWRENCE: We have two snapshots, one a four-
8 month actual and one a market expectation on one day.

9 THE COURT: Right.

10 MR. LAWRENCE: So, I wanted to make that point.

11 THE COURT: Understood.

12 MR. LAWRENCE: The market quotation process--and I
13 understand there's been suggestion that Mr. Shapiro was not
14 being honest in his testimony. But his testimony is what it
15 is. His testimony is consistent with the testimony of Curry
16 and Hasterok and Gruer in his expert report that there was no
17 active market for RFAs. You couldn't go out and get one. It
18 is consistent with Lehman's own experience trying to get quotes
19 on actionable quotes. They had one.

20 THE COURT: But--right. But not a whole lot of
21 people wanted to talk to Lehman during that period of time,
22 though.

23 MR. LAWRENCE: No--well, whether or not they wanted,
24 they had the right to go out and get quotes.

25 THE COURT: Sure.

1 MR. LAWRENCE: And they tried, and they couldn't get
2 three quotes.

3 THE COURT: Okay. Well, I don't know what the
4 evidence is on that.

5 MR. LAWRENCE: I'm just saying that--right.

6 THE COURT: All I know what the evidence is that has
7 been placed on this record. So, let me just ask you one
8 question.

9 MR. LAWRENCE: Sure.

10 THE COURT: And then I think we're going to move on.
11 If I were to conclude that I will not credit Mr. Shapiro's
12 testimony, okay?

13 MR. LAWRENCE: Sure.

14 THE COURT: If. I'm not saying that that's where I
15 am. But if I were to conclude that I do not credit Mr.
16 Shapiro's testimony that in fact there were market quotations
17 sought, what happens?

18 MR. LAWRENCE: I believe, if anything, it's not
19 material, because everyone has testified to date, and Mr. Gruer
20 testified, as we heard, that there was no active market. So,
21 it's--there's no evidence that could show, had TSA--and, again,
22 I'm assuming you're throwing it out. There's no evidence that
23 could show, had TSA gone and gotten market quotations, that
24 they could have gotten real market quotations to support a
25 claim. So, if you were to throw out, it would not be material.

1 We'd still end up going to a total loss scenario.

2 THE COURT: So, then I would be reading that language
3 out of the agreement.

4 MR. LAWRENCE: No. I think what--and, again, I
5 disagree with--

6 THE COURT: Okay.

7 MR. LAWRENCE: But, taking the premise of your
8 question--

9 THE COURT: Right.

10 MR. LAWRENCE: I think that what you're suggesting
11 is, okay, suppose there was a bridge.

12 THE COURT: Yes.

13 MR. LAWRENCE: And that there was not an effort to
14 get a market quotation.

15 THE COURT: Exactly right. Correct.

16 MR. LAWRENCE: The next question would be whether or
17 not that's a material breach of the agreement.

18 THE COURT: Well, I guess I want to avoid getting
19 into an extended legal argument.

20 MR. LAWRENCE: No, I know, but--

21 THE COURT: Because that's what--we could do that for
22 a long time.

23 MR. LAWRENCE: I appreciate that.

24 THE COURT: But what you're saying to me is Lehman
25 doesn't automatically win. That's the bottom line.

1 MR. LAWRENCE: Absolutely.

2 THE COURT: That's the bottom line.

3 MR. LAWRENCE: Because there's plenty of evidence
4 that there was no possibility of getting market quotations at
5 that time.

6 THE COURT: Okay. All right. Okay. All right,
7 thank you. I hear you. We're going to go on to Lehman's case.
8 I'd like to hear what Mr. Gruer and--is it Babbel? Babel?

9 MR. LAWRENCE: Dr. Babbel, yes, your Honor.

10 THE COURT: Yeah, Dr. Babbel have to say. And so,
11 the only question to answer right now is whether you want to
12 start that now or whether you'd like to have the lunch break
13 now.

14 MR. TAMBE: I believe Dr. Babbel will go for about an
15 hour and 15 minutes.

16 THE COURT: Okay.

17 MR. TAMBE: Roughly. So--

18 THE COURT: So therefore?

19 MR. TAMBE: It may be best to break for lunch now.

20 THE COURT: Okay.

21 MR. TAMBE: Maybe 45 minutes, come back at one, and--

22 THE COURT: Okay. All right, 45-minute break.

23 MR. TAMBE: Thank you, your Honor.

24 THE COURT: Thank you very much.

25 All right. Thank you. Please have a seat. Mr.

1 Lawrence, Mr. Tambe, could I speak to you for one second before
2 we start?

3 MR. TAMBE: Your Honor, the debtors call Professor
4 David Babbel.

5 THE COURT: Okay. Thank you. Good afternoon, sir.
6 Would you please stand?

7 DR. BABBEL: Yes.

8 THE COURT: Raise your right hand. Do you solemnly
9 swear or affirm that all the testimony you are about to give
10 before the Court shall be the truth, the whole truth, and
11 nothing but the truth?

12 DR. BABBEL: Yes, I do.

13 THE COURT: Thank you. Please have a seat. Let us
14 know if you'd like to take a break or if there's anything else
15 you need to be comfortable.

16 MR. TAMBE: Dr. Babbel, for the record, would you
17 introduce yourself to the Court, please?

18 DR. BABBEL: Pardon?

19 MR. TAMBE: Would you introduce yourself to the
20 Court, please?

21 DR. BABBEL: Oh. My name is David Frederick Babbel,
22 B-A-B-B-E-L.

23 THE COURT: Okay. Move that mic a little bit farther
24 back from you, because we're getting a reverb.

25 DR. BABBEL: Okay.

1 THE COURT: Okay?

2 DR. BABBEL: Thank you.

3 MR. TAMBE: Dr. Babbel, if you could turn to the tab
4 in your binder that's Debtors' Exhibit 13, it says Debtors 13?

5 DR. BABBEL: Yes.

6 MR. TAMBE: Sir, is that a copy of your CV?

7 DR. BABBEL: It is.

8 MR. TAMBE: And that document was attached to the
9 expert report you filed in this case, correct?

10 DR. BABBEL: It was, yes.

11 MR. TAMBE: And it sets forth your academic
12 appointments, your nonacademic appointments, your publications,
13 your work experience, et cetera, correct?

14 DR. BABBEL: Yes, it does.

15 MR. TAMBE: Okay. If I could ask you, have you
16 prepared a demonstrative set of exhibits to assist the Court
17 with your testimony today?

18 DR. BABBEL: I did.

19 MR. TAMBE: Okay. I'd ask for the demonstrative
20 (indiscernible). And, turning to page one of the
21 demonstrative, could you describe for the Court just briefly
22 your educational background and experience?

23 DR. BABBEL: Sure. I received an MBA and a PhD in
24 finance from the University of Florida. I then did a post-
25 doctoral at the University of California, Berkeley, in finance

1 theory. And then I was retained on their faculty. I was
2 assistant professor of finance and international business.

3 I later did a post-doctoral fellowship at the Wharton
4 School on risk and insurance economics. And then the Wharton
5 School lured me away from Berkeley. And I've been there since
6 as an associate and a full professor. Currently I'm a
7 professor emeritus, although I still do doctoral classes
8 occasionally or seminars.

9 MR. TAMBE: Could you just describe for the Court
10 some of the courses that you have taught over the course of
11 your academic career that are relevant to the opinions you're
12 expressing here?

13 DR. BABBEL: Sure. The most relevant ones are the fixed
14 income, which I taught at Berkeley and Wharton.

15 MR. TAMBE: Slide two?

16 DR. BABBEL: And advanced fixed income. I've also
17 taught investments and securities markets for 30 years. I
18 teach an advanced asset liability management class, and have
19 for 15 years. I taught the only structured notes and asset-
20 backed securities class at Berk--I'm sorry, at Wharton. And
21 I've also taught advanced corporate finance.

22 MR. TAMBE: And, in those classes, do they--do you
23 address the valuation of long-dated financial instruments?

24 DR. BABBEL: Absolutely.

25 MR. TAMBE: And do you teach your students how to

1 construct forward curves?

2 DR. BABBEL: I do.

3 MR. TAMBE: And do you teach your students how to
4 construct forward curves to value financial instruments?

5 DR. BABBEL: Yes, I do.

6 MR. TAMBE: You have published in this area as well,
7 have you not, sir?

8 DR. BABBEL: Yes, I have.

9 MR. TAMBE: Now, attached to your CV, which is
10 Exhibit 13, there are several pages of articles that you've
11 authored or coauthored. Is that right?

12 DR. BABBEL: That's correct.

13 MR. TAMBE: Okay. Are some of those articles
14 particularly significant to the opinions you're expressing
15 today?

16 DR. BABBEL: Yes.

17 MR. TAMBE: Okay. And did you set those out in your
18 demonstrative slides?

19 DR. BABBEL: I did. I summarized--I selected 10 from
20 my list of publications that all deal with interest rates,
21 forward rates, valuation topics.

22 MR. TAMBE: Are the publications that appear in
23 slides three and four--are those all publications that were
24 published in peer-reviewed journals or publications?

25 DR. BABBEL: All of these studies here were peer-

1 reviewed.

2 MR. TAMBE: And, just for the record, what does it
3 mean to be peer-reviewed?

4 DR. BABBEL: The editor of the publication selects
5 people who are known experts in the field, and oftentimes it's
6 blind, so I don't know who they are. And these experts then
7 make suggestions or they reject the article.

8 MR. TAMBE: Okay. And I assume, if they'd rejected
9 the article, it wouldn't show up on page three or four of your
10 slide deck?

11 DR. BABBEL: That's right.

12 MR. TAMBE: One of the items on slide three, I
13 believe, GOLDMAN SACHS INSURANCE PERSPECTIVES, is that a peer-
14 reviewed journal?

15 DR. BABBEL: It was reviewed by the peers at Goldman
16 Sachs, which was comprised of over 10 professors, top in the
17 field, including some Nobel Laureates, yes.

18 MR. TAMBE: In addition to your publications,
19 articles, have you also published textbooks?

20 DR. BABBEL: Yes, I have.

21 MR. TAMBE: And have you identified, in your
22 demonstratives, the textbooks that you have authored or
23 coauthored that are of particular significance here?

24 DR. BABBEL: Yes, I selected two of them that I
25 thought were germane to the issues in this case.

1 MR. TAMBE: Okay. And, looking at demonstrative
2 five, have you set out there the chapters of that particular
3 publication that you believe are germane to this case?

4 DR. BABBEL: That's what I did, yes.

5 MR. TAMBE: And, just for the record, the book that
6 you have identified is THE VALUATION OF INTEREST-SENSITIVE
7 FINANCIAL INSTRUMENTS. Is that right?

8 DR. BABBEL: That's correct.

9 MR. TAMBE: Now, who did you prepare that for or
10 with?

11 DR. BABBEL: I prepared it for the Society of
12 Actuaries, for their highest-level examinations, so that
13 actuaries would be conversant with modern finance practices and
14 theories, for valuation of their interest-sensitive
15 instruments, traded and non-traded. MR. TAMBE: And, turning to slide
16 six, that's another book of yours that you've identified in
17 your demonstratives, correct?

18 DR. BABBEL: That's correct.

19 MR. TAMBE: And what is the connection or relevance
20 of this publication to the opinions you're expressing today?

21 DR. BABBEL: Like the previous one, I spend quite a
22 bit of time on valuation of financial instruments. And I lay
23 the foundation by talking about the term structure of spot-
24 rates of interest, forward rates of interest, and then how to
25 use them, how to derive them.

1 MR. TAMBE: And is that set out in chapter five of
2 this book, "Financial Markets, Instruments, and Institutions"?

3 DR. BABBEL: Yes, it is.

4 MR. TAMBE: Turning from your academic credentials to
5 your nonacademic appointments, would you briefly discuss with
6 the Court some of your nonacademic appointments?

7 DR. BABBEL: Sure. My first one was with Johnson &
8 Higgins, brokers, the first one that's germane, where I did
9 studies on the term structure of interest rate volatility.
10 That study was published in a book, and it was that study which
11 got me my next appointment at Goldman Sachs, because it was
12 advanced work.

13 MR. TAMBE: And what was your position at Goldman
14 Sachs?

15 DR. BABBEL: I started off as a vice-president in
16 their financial strategies and fixed income division. And then
17 I moved--then I set up the (indiscernible) insurance group.
18 And I stayed for about six years. Full time was just the very
19 beginning, year and a half. And then the rest I was a senior
20 advisor to Goldman Sachs and worked in their mortgage division,
21 financial strategies, asset management, and, of course,
22 insurance and pensions.

23 MR. TAMBE: And did any of those appointments at
24 Goldman Sachs require you to value long-dated instruments?

25 DR. BABBEL: Oh, yes.

1 MR. TAMBE: Did they require you to work with forward
2 rates of interest?

3 DR. BABBEL: Yes, they did.

4 MR. TAMBE: And did they require you to trade
5 infrequently traded or non-traded instruments?

6 DR. BABBEL: They didn't require me to trade. I
7 would work with traders and advise them on their models. And I
8 developed some valuation models there.

9 The next appointment was at the World Bank, as a senior
10 financial economist in the financial sector development
11 department, where I worked on how to price loan guarantees.
12 And I also worked on risky debt.

13 Then, the next appointment was not full-time, but I was a
14 consultant at Winklevoss, which is one of the largest pension
15 actuarial software firms. I developed their software, the
16 valuation portion of it.

17 MR. TAMBE: And, again, you were valuing long-dated
18 assets and liabilities?

19 DR. BABBEL: The longest-dated, 40 years and 50
20 years.

21 MR. TAMBE: Are these interest rate sensitive
22 instruments that you're valuing?

23 DR. BABBEL: Some of them are. For the Winklevoss
24 pension actuarial department, most of them were fixed income,
25 fixed interest rates. The next appointment, at GE Capital,

1 most of it was floating rate. And I developed their software
2 for valuation of instruments with guarantees.

3 Then I was a consultant at NERA, part-time, National
4 Economic Research Associates, here in New York. And now I'm
5 with Charles River Associates. I do--but I still have my
6 office at Wharton, and it's--I work out of Philadelphia.

7 MR. TAMBE: Okay. In terms of some of the fixed income
8 valuation work you've done, away from academia and away from
9 the institutions we just talked about, could you briefly
10 describe for the Court some of the engagements you've had in
11 that area?

12 DR. BABBEL: Yes. I have some--I created a slide for
13 that. It's slide number eight. So, I worked at Goldman Sachs
14 and the World Bank, as we already discussed.

15 MR. TAMBE: Mm hmm.

16 DR. BABBEL: But then I list, in the next five bullet
17 points, eight government departments or agencies where I've
18 been solicited or asked to help them with valuation issues in
19 various things. For instance, inflation index bonds, I worked
20 with the Federal Reserve and the Treasury. Pension Benefit
21 Guarantee Corporation, I helped them with their discount rate,
22 what's appropriate and what isn't.

23 Federal Trade Commission, with commodities futures trade,
24 and FDI, valuing foreign currency options. Department of
25 Justice and Resolution Trust Corporation, when the savings and

1 loan industry went bust, I helped value the assets for
2 distribution purposes.

3 MR. TAMBE: And have you used your experience, both
4 in academia and outside of academia, in the course of your
5 career, to help inform the opinions in this case?

6 DR. BABBEL: Yes, I have.

7 MR. TAMBE: And just briefly, the scope of the
8 opinions that you're providing, could you describe those for
9 the Court?

10 DR. BABBEL: Sure. I have a summary. It's a very
11 short summary.

12 MR. TAMBE: This is slide nine?

13 DR. BABBEL: Slide nine is the scope of my opinion.
14 I was engaged to assess the--some of the aspects of the
15 opinions of Mr. Curry and Mr. Hasterok, not all of them. I was
16 engaged to explain the use of forward curves to the Court and
17 how they're used in valuing financial instruments. And I was
18 not asked, nor did I perform, any specific valuation of the
19 reserve fund agreement between Lehman and Washington TSA. As I
20 understood, there was another person engaged for that purpose.

21 MR. TAMBE: Your Honor, we would tender Dr. Babel as
22 an expert on the topics that he has identified and the topics
23 that are the subject of his expert opinion.

24 THE COURT: Okay. Mr. Lawrence?

25 MR. LAWRENCE: No objection.

1 THE COURT: All right. Very good.

2 MR. TAMBE: So, moving to a summary of your opinions,
3 if you could briefly summarize them, and then we'll discuss
4 them in turn?

5 DR. BABBEL: Sure. The first opinion deals with the
6 fundamental importance of using what's called the term
7 structure of interest rates, which I'll elaborate on a little
8 bit, to value cash flows that are occurring at different times
9 in the future. And it's required, to do proper valuation, to
10 use the term structure of interest in valuing future cash flows
11 or deliveries, or either explicitly or implicitly.

12 The second opinion is that it is the market standard to
13 value forward delivery contracts such as the RFA, which is
14 under consideration here--the market standard is to use forward
15 rates as of the given termination rate. The forward interest
16 rates may be described graphically, in a curve, or tabularly.
17 And they're determined from actual market transactions.
18 They're not theoretical. They're definitional. It's simple
19 math. If you know spot rates, you know forward rates. If you
20 know forward rates, you know spot rates.

21 The next opinion is that Mr. Curry and Hasterok, although
22 they have used forward rates throughout their careers, they
23 don't in this particular case. They used 65 hundredths of one
24 percent to compute projected cash flows on the RFA as of March
25 25th, 2009. And, by using that rate, it overcompensates

1 Washington TSA.

2 Finally, they used the same fixed rate of 65 hundredths of
3 one percent for the discount rate for all of these cash flows,
4 or for deliveries of securities that go out many years into the
5 future. And that's--that is incorrectly inflating the value,
6 the present value, of those future cash flows, to use such a
7 low discount rate, when even the Treasury has to pay much
8 higher rates for theirs.

9 . TAMBE: Are you opinions discussed and set forth in
10 the expert report that you submitted previously?

11 DR. BABBEL: They all are.

12 MR. TAMBE: And, if you can turn to Exhibit 138,
13 could you confirm that that's a copy of your expert report in
14 this case?

15 DR. BABBEL: Yes, it is.

16 MR. TAMBE: And do you adopt as your testimony in
17 this case the opinions that you expressed in your expert
18 report?

19 DR. BABBEL: I did.

20 MR. TAMBE: So, let's discuss--let's start by
21 discussing your first opinion, back to the demonstratives. And
22 I believe you stated--that your first opinion begins with a
23 valuation of cash flows. So, why are we valuing cash flows?

24 DR. BABBEL: Cash is transferred to Lehman Brothers,
25 who purchases securities and delivers those to the TSA. And

1 they do this through a long period of time. In the contract,
2 it's supposed to go on for many years. And therefore, you have
3 to use forward rates and the term structure of spot rates to
4 value such instruments, because they contemplate the future
5 delivery of securities and the future passing of cash from one
6 party to another.

7 MR. TAMBE: Is that what--is that methodology that
8 you just described--is that unique to the Washington TSA
9 contract?

10 DR. BABBEL: Not at all. It's typical of the
11 methodology that's used when you're valuing an exchange of
12 something that is a variable rate for something that's a fixed
13 rate. And, for the fixed rate, you use the spot rates of
14 interest to discount them, to figure out their present value.
15 And for the variable rate, you determine the cash flows by
16 using the forward rates of interest. And then you discount
17 them by the spot rates.

18 MR. TAMBE: You've used the phrase previously, and
19 your report talks about the phrase, "the term structure of
20 interest rates."

21 DR. BABBEL: Yes.

22 MR. TAMBE: Again, at a fundamental level, what is
23 the term structure of interest rates? What do you mean by "the
24 term structure of interest rates"?

25 DR. BABBEL: The term structure of interest rates is

1 a phrase that's used to describe the fact that, if you go into
2 the marketplace, you will be accorded different interest rates
3 depending on how long you want to leave your money tied up.
4 So, if you go to the bank a block away, and ask for what their
5 rate is on their CDs, they will say, "It depends. How long do
6 you want to leave your money?"

7 Now, if you have a six-month, one-year, three-year, five-
8 year, you could plot those. And, if you plotted those, it
9 would form a curve. And that curve is called the term
10 structure of interest rates. And it's also sometimes called
11 the yield curve. So, that would be the yield curve for
12 certificates of deposit, for instance.

13 MR. TAMBE: And what you just described, using the
14 example that you just described, is that a forward curve?

15 DR. BABBEL: No.

16 MR. TAMBE: Okay. So, let's talk about something
17 that's familiar, a product that's familiar, just like CDs,
18 Treasuries. Right? There is a Treasury spot rate, correct?

19 DR. BABBEL: There is.

20 MR. TAMBE: Okay. And--

21 DR. BABBEL: There's not one. There's a lot.

22 MR. TAMBE: And does the Treasury publish on a daily
23 basis what the spot rates are?

24 DR. BABBEL: It does.

25 MR. TAMBE: Okay. And there's a curve that you can

1 construct with that?

2 DR. BABBEL: Yes. Yes, you can. The Federal Reserve
3 is actually the one that I usually go to for the most timely
4 publications.

5 MR. TAMBE: And I know your report has some data,
6 which you pulled, I believe, either from the Treasury or the
7 Fed, is that right?

8 DR. BABBEL: Yes, the Fed.

9 MR. TAMBE: So, if you turn to slide 13, sir, can you
10 describe for the Court what that is?

11 DR. BABBEL: Oh, that is the term structure of
12 interest for U.S. Treasury securities on March 25th, 2009.
13 And, in fact, I've got a pointer. I'd like to just describe
14 it, if I may.

15 THE COURT: Okay.

16 DR. BABBEL: So, for five-year debt, for instance,
17 the going rate was about two percent.

18 MR. TAMBE: And was that two percent over the five
19 years or two percent per year?

20 DR. BABBEL: Two percent per year.

21 MR. TAMBE: Okay.

22 DR. BABBEL: Okay? And, for, say, 15-year debt, it
23 was costing the Treasury about four percent to issue 15-year
24 paper. And it shows what the rates were across the entire
25 spectrum, only going up to 20 for years, but the Treasury goes

1 out for 30 years and, in some cases, some instruments, 40.

2 THE COURT: Can I just ask one question? The legend
3 of maturity in years since March 25th, 2009, is that--is this a
4 snapshot of the rates on March 25th, 2009?

5 DR. BABBEL: Yes.

6 THE COURT: Okay. Thank you.

7 MR. TAMBE: And, just to follow up on that question,
8 if you were in the market and buying a 10-year Treasury on
9 March 25th, 2009, what does the spot curve tell you the yield
10 would be?

11 DR. BABBEL: I think it looks like about 3.3 percent,
12 I guess, for--

13 MR. TAMBE: And what you would get--I'm sorry--and,
14 for that, what you would get is a 10-year instrument. Is that
15 right?

16 DR. BABBEL: Yes.

17 MR. TAMBE: Okay.

18 DR. BABBEL: Something where you pay today and you
19 don't get any cash flow until 10 years, and then you get the
20 entire piece back.

21 MR. TAMBE: And is this a forward curve?

22 DR. BABBEL: No, this is a spot curve.

23 MR. TAMBE: Okay. So, how do you get, or can you
24 get, from a spot curve to a forward curve?

25 DR. BABBEL: Yes, you can. And just to solidify the

1 notion of spot curves, spot curves always start today. And
2 they go out into the future. Forward curves, (indiscernible),
3 and they can start in the future and finish in the future.

4 MR. TAMBE: And, before we get into some analogies
5 that describe what that calculation is and how a spot curve
6 shows you a forward curve, what's the basic methodology?

7 DR. BABBEL: Usually, you start with the transactions
8 and the spot curve, and you find out what forward curves are
9 mathematically embedded in them.

10 MR. TAMBE: And when you say you look at the
11 transactions, in the case of Treasuries, were there any
12 transactions on March 25th, 2009?

13 DR. BABBEL: There were hundreds of thousands of
14 transactions, yes.

15 MR. TAMBE: How would you describe the U.S. Treasury
16 market in March of 2009?

17 DR. BABBEL: It's--it was very liquid, a lot of
18 interest in it, and a lot of transactions.

19 MR. TAMBE: Any sense of the size of that market?

20 DR. BABBEL: Yes, it's in the trillions of dollars.

21 MR. TAMBE: And are there transactions happening in
22 that market that determine where the spot rates are?

23 DR. BABBEL: That's--the spot rates are entirely
24 determined by transactions.

25 MR. TAMBE: So, you and I have talked about this at

1 various times over the past few months, and you've tried to
2 explain to me how you arrive at a forward rate from a spot
3 rate. There's an analogy that you've used with me. Could you
4 share that with the Court?

5 DR. BABBEL: Sure. If we could go to slide 15?

6 MR. TAMBE: Could you describe what this analogy is?

7 DR. BABBEL: Sure. This is, your Honor, my daughter,
8 who is a world-class runner. So, a world-class runner who's up
9 for a 100-yard dash takes about 10 seconds. And, if you want
10 to figure out how many yards per second, take 10 seconds,
11 divide it by 100, and it's 10 yards per second. This tells you
12 how fast the runner gets from Point A to Point B.

13 Now, if the same runner can get from the starting line to
14 the 50-yard line, it takes six seconds. And then you can
15 figure out how long it takes to get the remaining 50 yards. If
16 you know it takes 10 seconds to get the full distance, six
17 seconds from the first, because, when you start off the blocks
18 and get your acceleration, it takes a while, and so the first
19 50 yards are almost always slower than that. But then, the
20 next 50 yards, you simply take 10 seconds and subtract out the
21 six it took to get 50. And you know that it only took four
22 seconds to get to the finish line.

23 And if you want to (indiscernible) the speed in terms of
24 yards per second, we already calculated the 10 yards per second
25 as an average over the whole period. But that's certainly not-

1 -the runner doesn't go at a constant speed. So, then, for the
2 first 50 yards, at six seconds, that gives eight and a third
3 yards per second. But the last 50 yards only took four
4 seconds. So, that's 12.5.

5 This is sort of like--it's analogous to the way money
6 grows. Money grows at one rate for the short term, and then it
7 grows at another rate later on, and you can use this analogy to
8 sort of get a feel for it. But you can see this is not a
9 theoretical time here. You know that they get from start to
10 finish in 10 seconds and six seconds for the first 50. You
11 know (indiscernible) theory.

12 MR. TAMBE: So, if you know one and two, three is
13 just math.

14 DR. BABBEL: You ought to--it's all math.

15 MR. TAMBE: So, let's now go to interest rates from
16 runners.

17 DR. BABBEL: Okay. I'm going to show you how we
18 calculate forward rates. So, if you have \$100, you want to
19 invest it today, and you want to invest it for two years, you
20 would go to the bank and they would say, "Okay, we're going to
21 give you 2.47 percent, two years." Right? You put the
22 (indiscernible) \$100, you will get \$105 back. And the
23 effective annual rate of that is about two and a half percent,
24 because you're getting \$5, divided by 100, five percent over
25 two years, which is about two and a half percent per year.

1 MR. TAMBE: Why is it not exactly two and a half
2 percent?

3 DR. BABBEL: Well, because the money grows at a rate
4 during the first year, and then you have a higher amount of
5 value. And that also grows at the same rate, same average
6 rate. So, it's compounding. It's just a little bit of
7 difference, here.

8 Now, if you instead were to go to the same bank and say,
9 "Well, I want to invest for just one year," give them your
10 \$100, "What will you give me at the end of the year?" and
11 they'll say \$102. Okay? So, what is the interest rate being
12 earned from the first year? Well, (indiscernible) \$2. You
13 spent \$100. So, you have two percent rate of return. Okay?

14 MR. TAMBE: So, now, if you know those two pieces of
15 information, one and two, can you figure out, can you
16 calculate, what the one-year rate of interest will be starting
17 at the end of year one, going to year two?

18 DR. BABBEL: Yes. So, in this particular example,
19 you already know that you--for a two-year period, you're going
20 to get back \$105; for a one-year period, 102. That means,
21 going from the end of the first year into the second year,
22 you're picking up another \$3 to equal the 105.

23 So, you just replace what's the rate of interest that
24 you've earned during that second year. You've earned 2.94
25 percent, which is equal to the \$3 that you've then divided by

1 the \$102 that you have started with, because you've already--in
2 the marketplace, \$100 is worth 102 in a year.

3 So, you see that this area in red here is (indiscernible)
4 forward (indiscernible), which is telling you (indiscernible)
5 today and say, "I want to give you some money in a year," and
6 they will tell you what the money will earn next year. They
7 can tell you that from the term structure of interest. So,
8 they can provide that kind of a contract for you.

9 MR. TAMBE: Well, why does it have to be that way?

10 DR. BABBEL: Note, again, this \$100 is starting
11 (indiscernible) 105 (indiscernible). But this is simply an
12 average rate. Take a look at it. Two percent and 2.94, add
13 them together, divide by two, it's 2.47. We actually do
14 geometric averaging, but it's within a, you know, hundredth of
15 a decimal point. So, to have consistent pricing in the
16 marketplace, it requires that the forward rate complete the
17 short-term spot through the--your longer-term spot.

18 MR. TAMBE: What would happen if it didn't?

19 DR. BABBEL: Well, then people like--people that are
20 interested in earning a little bit of extra money, or a lot of
21 extra money, could make a lot of money, because any time that
22 the rates are inconsistent there are investors that will take
23 advantage of that. And their very efforts to take advantage of
24 that forces up the prices of some, lowers the price of others,
25 and so that the interest rates line up.

1 MR. TAMBE: And the people you're talking about are
2 the people who transact in the market--for example, in the
3 market for U.S. Treasuries.

4 DR. BABBEL: Yes. So, we had a department that did
5 this all day long. And we would look for any deviations from
6 the term structure. And we would exploit it.

7 MR. TAMBE: Now, let's go from a simple two-period
8 model into a multiple-period model. Does the math still work?

9 DR. BABBEL: It's the same exact math.

10 MR. TAMBE: Okay. So, let's go to slide 17.

11 DR. BABBEL: Yeah, this is simply a picture from one
12 of my books. And it's, again, looking at spot rates, which I'm
13 denoting by an S . This is a one-year spot rate (indiscernible)
14 from time today to one year. And they could create or quote
15 another rate for two years, S sub-two, or three years, or four
16 years. And the--

17 MR. TAMBE: Can I just stop you there for a second?
18 So, just for purposes of the analogy, the S_1 , S_2 , S_3 , S_4 , you
19 could think of that as Treasury bill--the spot rate, so someone
20 in the market today is getting paid S_1 for six months, S_2 for a
21 year, S_3 for three years, S_4 for 10 years? Is that right?

22 MR. LAWRENCE: Your Honor?

23 THE COURT: Yes.

24 MR. LAWRENCE: I've been very lee--giving a lot of
25 leeway, but that's too objective, and I'll object to that.

1 Leading, and I'll object.

2 THE COURT: It's too leading.

3 MR. LAWRENCE: Leading, yeah.

4 THE COURT: Let's try to balance the need to move it
5 along with the goal not to lead the witness.

6 MR. TAMBE: Not a problem.

7 THE COURT: Okay.

8 MR. TAMBE: So, can you translate or analogize this
9 model, or this graph on page 17, with the spot rates that we
10 just saw on the previous slide, the curve, the Treasury curve?

11 DR. BABBEL: Yes, I can. So, in the marketplace,
12 these spot rates (indiscernible) different. The longer-term
13 rates could be higher or lower than the short-term rates. It
14 depends on the day. But, if you look at this forward rate one,
15 F sub-one, you would see that it starts at time one and it ends
16 at time two. If you look at time one and just draw a line down
17 here, it goes right through the end of the S1 period. And time
18 two goes right to the end of the S2 period.

19 So, basically, it's the difference between this S sub-two
20 and S sub-one. That difference will give you the forward rate
21 of interest for that period. We've just calculated that; it
22 was 2.94 in the example I gave.

23 Similarly, if you want a forward rate--if you want to
24 secure some sort of rate that you can borrow at or invest at
25 for time two to time three, there is a spot rate that will take

1 you three years out. Subtract out the spot rate of two years
2 out, and that gives you the forward rate for that time period.
3 And it's similar for time four. It's the four year spot rate,
4 subtract out this, and the remainder is the forward rate for
5 the fourth period.

6 MR. TAMBE: Well, you will hear it, no doubt, on
7 cross-examination, but the TSA couldn't go out and buy F2 or
8 F3. All they could do, on March 25th, 2009, was buy F0. Well,
9 what relevance, if any, is there to the fact that you can
10 calculate F1, F2, F3?

11 DR. BABBEL: If you're trying to figure out the
12 market value of the contract, it's based on these forward rates
13 and the spot rates. That's what--that--the only thing the
14 market has available to give you.

15 MR. TAMBE: Are there people, other than the TSA, who
16 can go out and transact at F1, F2, F3, on March 25th, 2009?

17 DR. BABBEL: Sure, probably everybody in this room.

18 MR. TAMBE: And the activity you described before,
19 the movement of prices, if there's any kind of disparity here,
20 would that be featured in those kinds of transactions, other
21 market participants going in and transacting at F1, F2, F3?

22 DR. BABBEL: Yes.

23 MR. TAMBE: Okay. So, now let's go back to the
24 Treasury curve. And I asked you whether the curve that you had
25 shown me previously, the curve on page 13--

1 DR. BABBEL: Yes.

2 MR. TAMBE: You said that was not a forward curve;
3 that's a spot curve.

4 DR. BABBEL: That's right.

5 MR. TAMBE: So, does the Treasury also publish a
6 forward curve?

7 DR. BABBEL: The Treasury does, and the Federal
8 Reserve does.

9 MR. TAMBE: Okay. And have you graphed that?

10 DR. BABBEL: Yes, I have.

11 MR. TAMBE: Okay, where is that?

12 DR. BABBEL: I think that's Slide 18.

13 MR. TAMBE: All right. Now, the data on slide 18,
14 that's derived from the Fed data that you got from the Fed?

15 DR. BABBEL: Yes, it is.

16 MR. TAMBE: Okay. Now, that shows a forward curve
17 that's actually above the spot curve. You see that?

18 DR. BABBEL: It's above the spot curve for part of
19 it, and below it for part of it, yes.

20 MR. TAMBE: Can you explain that?

21 DR. BABBEL: Yes. Remember that I told--that I
22 explained that a spot rate is actually an average of the
23 forward rates that comprise it. So, let--I have a slide that
24 shows this.

25 MR. TAMBE: Okay, let's go to 19.

1 DR. BABBEL: Yes. So, let's look at the three-year
2 spot rate. Three-year spot rate looks like it's about a one
3 percent and maybe a quarter, one and a quarter percent. And
4 let's go from here over to the spot rate curve.

5 Now, this particular number, one and a quarter percent, is
6 actually comprised of an average of this rate, that rate, that
7 rate, that rate, that rate, that rate, and that rate. If you
8 average all those together on the forward curve, you get the
9 spot curve, because, remember, money doesn't go at a constant
10 rate from time zero to time three. It grows at a non-constant
11 rate.

12 And just to go back to that example that I mentioned in
13 the certificate of deposit, you may say, "I'm going to--I want
14 a one-year--I want to (indiscernible) for one year. But the
15 three-year rate is higher, so I'm going to buy a three-year
16 contract and then, at the end of one year, I'm going to close
17 it out." And you go to--you try that, and you can try that,
18 and the bank will say, "Fine, but we're not giving you this
19 rate," because there's a severe penalty for early withdrawal,
20 and you'll actually get the one-year rate. Actually, it's a
21 little bit worse, typically.

22 So, the banks count risk management--the banks have to
23 work with the term structure. That's all they have. And it's
24 very difficult to game it.

25 MR. TAMBE: Now, if you were going for--if you have

1 this particular fact pattern before you and you said, "Okay,
2 what's the forward rate going to be for the six-month period
3 starting in year three and going to three years and six
4 months," does the spot--does the forward curve tell you that?

5 DR. BABBEL: It does. And that--it's the next slide
6 I have. And so, I've gone from three years to three and a half
7 years here. And you see the spot rate has a different rate for
8 three and a half than for three. It looks like it's about 1.4
9 percent versus one and a quarter.

10 Now, how did it--why is the rate higher? Because the
11 forward rate is higher. And what we're doing to get this three
12 and a half year rate is now we're averaging together all of
13 these forward rates. But we've added one more forward rate,
14 which is higher. That takes the whole average up, which causes
15 this spot rate to go up a little.

16 MR. TAMBE: And what you observe in the market, in
17 terms of transactions, are transactions are occurring on the
18 spot curve, is that right?

19 DR. BABBEL: You do.

20 MR. TAMBE: Okay. And can you calculate the forward
21 curve based off--based on those spot curve observations?

22 DR. BABBEL: Yes.

23 MR. TAMBE: Okay. Now, what's behind the curves that
24 you do observe in the market in terms of transactions? What
25 kind of information is contained, if any, in those curves?

1 DR. BABBEL: The real prices that real people pay for
2 instruments, financial instruments.

3 MR. TAMBE: These are the prediction of the future?

4 DR. BABBEL: No.

5 MR. TAMBE: Why? What is--what value, if any, does
6 it have, then, if it's not a prediction?

7 DR. BABBEL: The interest rates and the term
8 structure give you an aggregate view of the market, of all
9 factors that will affect interest rates. They include
10 expectations. They include monetary policy. They can include
11 fiscal policy. They could include liquidity events. Anything
12 that affects interest rates is embedded in the term structure,
13 including expected future rates.

14 MR. TAMBE: We've had a discussion in this case, from
15 time to time, about snapshots. Now, what is it that the spot
16 curves and the forward curve on a particular date tells you
17 about future interest rates?

18 DR. BABBEL: Yes. They don't speak as much about
19 future interest rates as they do about what the market allows
20 you, today, to provide for in the future. And it is the
21 market's price today for delivery of cash flows in the future.
22 It's all embedded in the interest rates, the forward rates.

23 MR. TAMBE: Criticism is made that, well, because, in
24 the subsequent four years from 2009 to 2013, actual observed
25 rates were lower than what the forward rates were back on March

1 25th, 2009, that the Court should give--should disregard the
2 forward curve analysis. What's your reaction to that?

3 DR. BABBEL: That it doesn't make sense to me.

4 MR. TAMBE: Why not?

5 DR. BABBEL: Because the market participants depend
6 on and transact on the spot rate and the forward rate curves.
7 Even the Treasury can't issue debt at some rate that's not in
8 those curves. It just didn't make sense to me.

9 MR. TAMBE: Now, is it consistent at all with finance
10 theory as you understand it?

11 DR. BABBEL: No, it doesn't--it violates finance
12 theory, economic theory, market practice, industry standards.
13 It's just--it's irrelevant.

14 MR. TAMBE: Putting aside theory, in practice, in
15 work you did at Goldman and the work you did at GE, did you
16 apply this methodology, the use of spot rates, forward rates,
17 to provide advice, to provide services to those entities?

18 DR. BABBEL: Always.

19 MR. TAMBE: Okay. And you did that knowing that the
20 forward curve was not predicting the future, correct?

21 DR. BABBEL: That's right.

22 THE COURT: Can I interject with one question? So,
23 this is not--a snapshot, if you will.

24 DR. BABBEL: It's a snapshot on March 25th.

25 THE COURT: On March 25th. So, if we went--if we

1 came back a year later, on March 25th, 2010, it might--the two
2 curves might look the same, or they might look different,
3 because you will then have had a--well, forget about the year
4 that already passed. In terms of the--to the extent that we
5 could superimpose year one through 24, it would shift over to
6 the right, in my mind.

7 DR. BABBEL: Right.

8 THE COURT: Right? So, it might look the same and it
9 might look different. It might shift up; it might shift down.

10 DR. BABBEL: That's correct.

11 THE COURT: Is that correct?

12 DR. BABBEL: Yes.

13 THE COURT: And that's because of the subsequent
14 transactions that will have occurred?

15 DR. BABBEL: Yes.

16 THE COURT: And those subsequent transactions, for
17 example, on 15-year paper, would be maybe at slightly different
18 rates, different volumes, and that's what would have caused the
19 curve to shift, because the spot prices shift, because the
20 actual transactions then occurred?

21 DR. BABBEL: Yes. And a lot of information has
22 happened since the beginning. So, we have new facts in the
23 economy, and those will also cause the curves to shift.

24 THE COURT: But that's where it's been said that you
25 then say, "You see? The point on this curve is not the same as

1 the point on the curve the year later. So therefore, you
2 shouldn't be using this curve to predict what the curve in a
3 year will look like." That's--I'm just asking, again, the
4 question that Mr. Tambe asked.

5 DR. BABBEL: Mm hmm.

6 THE COURT: So, if you could try--give--answer the
7 question again?

8 DR. BABBEL: Sure.

9 THE COURT: As to why that's not a valid observation?

10 DR. BABBEL: The problem was the word "therefore."

11 THE COURT: Okay.

12 DR. BABBEL: We don't base our monetary decisions
13 today on things--if we're going to try to secure in the future,
14 for our cash flows, we don't base them on something that we
15 don't know. And the market today tells you what the price is
16 today for securing these future cash flows, or future rates.

17 And, I mean, you can make guesses, but those expectations
18 that you may have would be different than somebody else's
19 expectations. And if you're going to have an agreement, they
20 have to base it on something that they have in common, which is
21 the term structure of interest, which tells you the price at
22 all future points in time for making transactions.

23 THE COURT: Thank you.

24 MR. TAMBE: If you're transacting in the market, do
25 you get to set your own rate?

1 DR. BABBEL: No.

2 MR. TAMBE: You take the rate that the market sets,
3 correct?

4 DR. BABBEL: Yes.

5 MR. TAMBE: And that rate in the market, is that set
6 just by your transaction, or by other transactions?

7 DR. BABBEL: It's by all the transactions in the
8 marketplace. When you asked if you could set your own rate, I
9 suppose you could say, "The market rate for five-year paper is
10 two percent, but I'm going to pay 10 percent." You could do
11 that. And watch how fast you go.

12 MR. TAMBE: Would that be fair value? Would that be
13 fair value, in your opinion, sir?

14 DR. BABBEL: No, it would not.

15 MR. TAMBE: Let's move forward to--pardon the pun.
16 Let's move ahead to 23.

17 DR. BABBEL: Okay.

18 MR. TAMBE: Would you--on slide 23, again, you set
19 out, and we talked about it before, your two basic criticisms
20 of the Curry/Hasterok approach. Is that right?

21 DR. BABBEL: That's right.

22 MR. TAMBE: And can you--so, can you take those one
23 at a time and describe your critique of each of those
24 positions?

25 DR. BABBEL: Sure. I also created a slide, which I

1 like better than this, but here's the brief explanation. Mr.
2 Curry and Hasterok calculate future cash flows for a
3 termination value. And both financial theory and market prices
4 require the use of market-determined forward interest rates to
5 compute future cash flows. They decided not to follow those--
6 the theory or the practice.

7 Second, they use--you have to discount those cash flows to
8 figure out their present value. The market--I should say
9 financial theory, market practice, and industry standard is to
10 use the spot rate curve to discount. And they didn't do that.
11 Instead, they used a replacement yield discount rate, which
12 they substituted for the spot rate curve.

13 And they also substituted it for the forward rate curve.
14 So, it was one and the same, and it never changed for 23 years,
15 and that can't happen. I've never seen anything like it.

16 MR. TAMBE: Let's just focus on the second part, which is
17 the discount rate issue.

18 DR. BABBEL: Yes.

19 MR. TAMBE: What's wrong with the discount rate they
20 used?

21 DR. BABBEL: Well, the market's telling you that, if
22 you're going to deliver something in 10 years, there's the
23 particular rate that's applicable to 10 years. And they're not
24 using that rate. The market's telling you there's another rate
25 for five years; there's another rate for 23 years. They aren't

1 using any of those rates.

2 But that's what the finance--financial markets do, what
3 the professionals do, and that's what bank--all the financial
4 institutions have to deal with these--the term structure of
5 interest rates. And you have to use the appropriate discount
6 rate if you want to know its present value. They have a value
7 that's not a present value. It's just--it's a number.

8 MR. TAMBE: May I have a moment, your Honor?

9 THE COURT: Mm hmm.

10 MR. TAMBE: When we were talking a few minutes ago
11 about one or two criticisms of the Curry and Hasterok approach,
12 you said there was a slide you liked better than this one.

13 DR. BABBEL: Yes.

14 MR. TAMBE: What slide is that?

15 DR. BABBEL: I like 25 and 26. It makes it easier
16 for me to explain what's going on in a nutshell.

17 MR. TAMBE: Please do.

18 DR. BABBEL: Okay. (indiscernible) just repeating
19 the same forward curve that was available on March 25th, 2009,
20 snapshot.

21 MR. TAMBE: That's the Treasury curve, right? The
22 Treasury forward curve?

23 DR. BABBEL: That is the Treasury curve. There's
24 also one for commercial paper. There's one for (indiscernible)
25 bank offer rate. There's one for agencies. You can make one

1 for CDs. Okay? But this is the one for the Treasury. I'm
2 just using that to illustrate the technique.

3 Then, to--and Curry and Hasterok assumed this red line,
4 the 65 hundredths of one percent. And if you see--if you go to
5 the next page, the next slide, I'll show you what they did with
6 it. In their model, as I understand it, the valuation
7 exercise, they take the 4.484 percent, which is the constant
8 amount that was provided for in the contract, and they subtract
9 out this amount shown in red.

10 And so, all of--the difference between the red and the
11 green line is the net cash flow that they say Lehman owes. Of
12 course, that's assuming that the interest rates never change,
13 and it's laid out here, throughout the 23 years.

14 Now, the market convention is as follows: what you look
15 at is what you're guaranteed, and what the forward curve does.
16 And so, the first amount, the first period of time, would be
17 about the same that Lehman was saying. But as you go forward
18 in time, you see that--or I should say in length of time, you
19 see that the difference between the green and the blue is less
20 positive, or less negative, than the TSA statements. Then it
21 becomes positive, actually, in the other party's favor, then it
22 becomes negative again.

23 But the market (indiscernible) the forward rates, subtract
24 those from the guaranteed rates to find out what the net cash
25 flow is. And, once you find the net cash flow, you discount

1 it.

2 MR. TAMBE: By what?

3 DR. BABBEL: The spot rate.

4 MR. TAMBE: Okay, so what spot rate--so, let's take
5 an example. Let's go out, let's say, five years.

6 DR. BABBEL: Yeah. So, the five-year spot rate, I
7 don't think I have it. Yeah, I have a--I'd have to go back to
8 the previous chart, but it was--

9 MR. TAMBE: You can just hold the (indiscernible)
10 there if you think it's easier, or just hold something there to
11 show it.

12 DR. BABBEL: Okay.

13 THE COURT: Can--before you go on, can you just
14 explain, given that, under the operative documents, the TSA and
15 Lehman, pursuant to the RFA, could not tender instruments that
16 had maturities that were this long, why am I looking at a curve
17 that is plotting the value of rates with respect to maturities
18 that are that long?

19 DR. BABBEL: Good question. Because the agreement
20 was entered into several years earlier.

21 THE COURT: Yes.

22 DR. BABBEL: And there was actually a different
23 curve.

24 THE COURT: Right.

25 DR. BABBEL: At that time. And for Lehman to be able

1 to make the promise that they did, to become a counterparty to
2 the TSA, they had to use the rate that was available at that
3 time. And then they could secure all of those transactions and
4 make sure that they were available for TSA.

5 Now, time has passed. The contract has been terminated or
6 rejected. And there's a different curve. So, you have to find
7 out what is the market offering then versus what it was
8 offering, if you're going to calculate damages. And this is
9 what the market is offering at the termination date. So, they
10 would have to use this curve, not the original curve.

11 MR. TAMBE: And, just to be clear, Dr. Babbel, on 26,
12 the dotted line, that's a forward curve?

13 DR. BABBEL: This is forward, yeah.

14 MR. TAMBE: And what's the maturity off those
15 observations? Are those five-year obligations, 10-year
16 obligations?

17 DR. BABBEL: These are all six-month obligations that
18 Lehman would have had--they would have had to use the forward
19 curve so that they could transact and secure those rates.

20 THE COURT: So, those are all maturities of six-month
21 obligations?

22 DR. BABBEL: They are.

23 THE COURT: Thank you.

24 DR. BABBEL: You had a question pending about the
25 five-year rate for discount use.

1 MR. TAMBE: Oh, yeah, yeah. So, I was just going to
2 use the example, if you could describe, use--again, going back--
3 -

4 DR. BABBEL: With the pointer?

5 MR. TAMBE: The pointer, yeah.

6 DR. BABBEL: Okay. So, these are the forward rates.
7 That's how you map out the cash flows. You have to map out the
8 time of the cash flows, or the deliveries of the securities,
9 and also the size. For that, you've mapped out those, then you
10 discount the credit using the spot rate. If you recall, the
11 spot rate was lower. And it was something about like this.
12 (indiscernible)

13 But so you discount with the spot rate because the spot
14 rate tells you your future cash flow half and your delivery
15 half in a future time. And you discount the spot rate to find
16 out the present value. That's what everybody does.

17 There's only one exception to it. Some people, instead of
18 taking the spot rate and discounting by it, they discount by
19 all of these forward rates up to that time. And they come out
20 mathematically the same anyway. You can do it either way. But
21 you don't have--I've never seen this done before. And I don't
22 know of the markets (indiscernible) that, not in the United
23 States.

24 MR. TAMBE: Thank you, Dr. Babbel. I have no further
25 questions.

1 THE COURT: Okay.

2 MR. LAWRENCE: Can we just take a five-minute break?

3 THE COURT: Sure.

4 Or the out, Mr. Tambe?

5 MR. TAMBE: Sure. Yeah.

6 MR. LAWRENCE: Never think of it.

7 THE COURT: It's okay.

8 MR. LAWRENCE: So, I'm ready.

9 THE COURT: Okay. We're all ready, I think.

10 MR. LAWRENCE: Good afternoon, Professor Babbel.

11 DR. BABBEL: Good afternoon.

12 MR. LAWRENCE: Do you prefer Professor or Doctor?

13 DR. BABBEL: Professor.

14 MR. LAWRENCE: Could I get the slide right?

15 DR. BABBEL: Or Mr. Babbel is actually preferred.

16 MR. LAWRENCE: It's up to you.

17 DR. BABBEL: Mr. Babbel.

18 MR. LAWRENCE: Okay. So, let me just make sure we're

19 on the same page as to what you did not do for this opinion.

20 You did not provide any opinion at all on the valuation of the

21 reserve fund agreement at issue in this case. Is that right?

22 DR. BABBEL: That's correct.

23 MR. LAWRENCE: Okay. So, no evaluation of TSA's

24 total losses or damages, correct?

25 DR. BABBEL: Correct.

1 MR. LAWRENCE: Okay. What you're here to do is to
2 help us understand what the forward curve is and how it's used
3 in the market, correct?

4 DR. BABBEL: It's one of the reasons I'm here, yes.

5 MR. LAWRENCE: Okay. Now, let's go to slide number
6 16.

7 DR. BABBEL: Yes.

8 MR. LAWRENCE: Now, you used this slide to explain
9 how you calculate the forward curve, correct?

10 DR. BABBEL: Yes.

11 MR. LAWRENCE: Okay. So, what I heard you say is
12 that, if I went to a bank and bought a two-year CD that would
13 pay two percent a year--is that right? Am I using that number--
14 was it some--2.5 percent? I forget what it was. What would
15 this represent?

16 DR. BABBEL: I didn't say it was a CD.

17 MR. LAWRENCE: Okay.

18 DR. BABBEL: I just said, if you invested \$100, and I
19 didn't say where you invested it, but you were guaranteed,
20 maybe a bank, to get \$5 more in two years.

21 MR. LAWRENCE: Well, let's use a bank CD, because
22 this would apply for a bank CD, correct?

23 DR. BABBEL: Sure.

24 MR. LAWRENCE: It applies to everything. Right?

25 DR. BABBEL: It applies to financial instruments.

1 MR. LAWRENCE: Every financial instrument. So, if I
2 go to a bank and say, "I want to buy a CD for two years, and I
3 want to get--and I get \$105 at the end of two years," that's
4 your top bar, correct?

5 DR. BABBEL: That's right.

6 MR. LAWRENCE: Okay. And that same bank, and that's
7 an annualized rate of return of 2.47 percent over that two-year
8 period, correct?

9 DR. BABBEL: Correct.

10 MR. LAWRENCE: And that's what the bank would be
11 offering you, "We'll give you 2.47 percent; give me your \$100;
12 in two years, I'll give you the 105."

13 DR. BABBEL: In this example, yes.

14 MR. LAWRENCE: And the second line, you would go to
15 the bank and say, "No, I don't want to do a two-year CD; I want
16 to do a one-year CD. What is the rate for a one-year CD?" And
17 the one-year CD rate is two percent, not two and a half
18 percent, so I'll get \$2 back at that.

19 DR. BABBEL: That's right.

20 MR. LAWRENCE: And then what the forward curve is
21 trying to figure out--well, if we know those two rates, because
22 they're actual rates that the bank is offering, what do we
23 expect the bank to offer, one year from now, for a one-year
24 rate? Correct?

25 DR. BABBEL: It's not what we expect them to offer,

1 what we can ask them today to offer me in one year. "I'm going
2 to make this deposit one year from now; what rate will you
3 offer me?" And they will say this other rate, 2.94.

4 MR. LAWRENCE: Well, this goes to the heart of my
5 question. If I go into a bank, can I go to the bank and say,
6 "Hey, I want to give you \$100 one year from now. Give me a CD
7 right now that allows me to do that," can you do that?

8 DR. BABBEL: A CD?

9 MR. LAWRENCE: Yeah.

10 DR. BABBEL: You could get a forward purchase
11 agreement.

12 MR. LAWRENCE: You could get a forward purchase
13 agreement. I'm--we're talking about CDs. These are CD rates,
14 correct?

15 DR. BABBEL: Yes.

16 MR. LAWRENCE: So, you would agree that I can't go
17 into a bank today and say, "I'm going to come in in a year with
18 \$100, and you give me 2.94 percent." Correct?

19 DR. BABBEL: You could arrange for it if you have a
20 large enough transaction, yes.

21 MR. LAWRENCE: Well, what really this is telling you
22 is that, if I wanted to take advantage of that 2.94 percent, I
23 could go into the market and find another market participant
24 and say, "Hey, I want to earn 2.94 percent for this year, and
25 let's do some sort of transaction that will allow me to earn

1 that."

2 DR. BABBEL: Correct.

3 MR. LAWRENCE: And that's a transaction based on
4 information on day one, correct?

5 DR. BABBEL: Yes.

6 MR. LAWRENCE: And, in doing that, I may be getting
7 that fixed rate of return at 2.94 percent, and I don't have any
8 interest rate risk, right? I've been guaranteed that rate of
9 2.94 percent, correct?

10 DR. BABBEL: You're defining interest rate risk
11 differently than most people would in the market.

12 MR. LAWRENCE: Well, I'm--when I say interest rate
13 risk, what I'm talking about, the risk that, if I went in a
14 year from now with my \$100 to a bank, that maybe the interest
15 rate might not be 2.94 percent. It might be 2.5 or 3.6
16 percent. So, that's the risk I'm talking about. Would you
17 rather use a different term than interest rate risk?

18 DR. BABBEL: Well, we say interest rate uncertainty,
19 yeah.

20 MR. LAWRENCE: I'm happy to use that.

21 DR. BABBEL: Okay.

22 MR. LAWRENCE: But, basically, I've gone to somebody
23 and they said, "Okay, I'll give you 2.94 percent, guaranteed,
24 for that period, from year one to year two." And I don't have
25 any interest rate--I'm sorry, what did you want me to use?

1 THE COURT: Uncertainty.

2 MR. LAWRENCE: Uncertainty. Okay, thank you, your
3 Honor. I don't have any interest rate uncertainty. But the
4 person who I made the deal with is basically carrying that
5 interest rate uncertainty, correct?

6 DR. BABBEL: I don't know if they will carry it or if
7 they will hedge it.

8 MR. LAWRENCE: They can hedge it. You can always
9 hedge interest rate secure--that's the basis of the market, is
10 that you can hedge interest rate unsecurity, correct?

11 DR. BABBEL: Oftentimes, you can hedge it.

12 MR. LAWRENCE: Yes.

13 DR. BABBEL: Not always.

14 MR. LAWRENCE: So, if I'm the person who's giving the
15 guaranteed 2.94 percent, I could basically just sit there and
16 hope, or I could sit there and do another transaction to hedge
17 to make sure that I don't lose money on interest rate
18 variations between now and a year from now. Correct?

19 DR. BABBEL: That's correct.

20 MR. LAWRENCE: But I can't go to the bank and say,
21 "Hey, I've got this forward curve thing, and that tells me you
22 should give me 2.94 percent when I come in a year from now and
23 give you my \$100," right?

24 DR. BABBEL: Well, it'd be nice if you had--if you
25 had checked the forward curve, you could tell if they were

1 making you a market offer or they're trying to get by more
2 cheaply.

3 MR. LAWRENCE: But that's not how--banks don't work
4 on CDs. You can't buy it a year in advance. Correct?

5 DR. BABBEL: Well, there are negotiable CDs. And,
6 with negotiable CDs, you can buy and sell them, and you can
7 even short them, and you can create this sort of forward rate.

8 MR. LAWRENCE: But I think, during your testimony
9 with Mr. Tambe, you made the point that, if you came in to buy
10 this to--and get the 2.47 rate, and decided to withdraw your
11 money after a year, there's going to be a penalty.

12 DR. BABBEL: There will be.

13 MR. LAWRENCE: Yeah, yeah. And so, if I'm a
14 participant and I take an investment that's two years but I
15 actually need that money a year later, I need to draw down an
16 investment, there's going to be a penalty.

17 DR. BABBEL: Yes.

18 MR. LAWRENCE: Can we go to slide 18?

19 DR. BABBEL: Can I say there will be a penalty if
20 you--

21 MR. LAWRENCE: You're not allowed to answer a
22 question--you're only allowed to answer questions, sorry.
23 Thank you.

24 DR. BABBEL: I thought I was.

25 THE COURT: Unless there's a question pending--

1 DR. BABBEL: Okay.

2 THE COURT: We can't hear from you further.

3 DR. BABBEL: Okay.

4 THE COURT: If there's anything that needs
5 clarification, Mr. Tambe has another opportunity to ask you
6 some more questions.

7 DR. BABBEL: Thank you.

8 MR. LAWRENCE: So, in this chart, you're showing the
9 dotted line is a forward curve, correct?

10 DR. BABBEL: Correct.

11 MR. LAWRENCE: I just want to understand something.
12 If we look at the returns over the course of this 23 years as
13 reflected in that forward curve, you could come up with an
14 average over the 23 years, right?

15 DR. BABBEL: Yes.

16 MR. LAWRENCE: And that would be expressed as a
17 single rate?

18 DR. BABBEL: You could do that, yes.

19 MR. LAWRENCE: So--and I don't want to--I don't need
20 you to do the math or me to do the math, so just, for example,
21 let's just say, I look at this, let's say three and a half
22 percent is the average return over those 23 years. I could ask
23 you, "What is the average return over 23 years?" And you could
24 tell me, "It's three and a half percent." Correct?

25 DR. BABBEL: That's correct.

1 MR. LAWRENCE: Yeah. So, if I say, "Okay, that's
2 great; I'm going to earn three and a half percent over the next
3 20 years," that doesn't necessarily mean I'm earning three and
4 a half percent per year, correct?

5 DR. BABBEL: That's correct.

6 MR. LAWRENCE: It means I'm going to earn three and a
7 half percent over the life of that period.

8 DR. BABBEL: Correct.

9 MR. LAWRENCE: So, when Curry and Hasterok said that
10 they're going to earn--that--or when they opined that the TSA
11 will earn 0.6--I'm sorry, 0.68 percent over the course of--or
12 0.65 percent over the course of 23 years, that's--you
13 understand that to be the average yield over the course of that
14 23-year period, don't you?

15 DR. BABBEL: No.

16 MR. LAWRENCE: Okay. Now, you know--you looked at
17 their report, correct?

18 DR. BABBEL: Yes.

19 MR. LAWRENCE: And you--their report showed that, for
20 the four years after March 25th, 2009, the TSA was actually
21 earning substantially less than 0.65 percent. Correct?

22 DR. BABBEL: That's correct.

23 MR. LAWRENCE: Okay. And they knew that at the time
24 they presented their opinion, correct?

25 DR. BABBEL: Yeah, they forecasted with--forecast

1 interest rates with four or five years of hindsight, yes.

2 MR. LAWRENCE: But, looking at the--looking at what
3 they said, that the TSA is going to return an average of 60--
4 return 65 percent, 0.65 percent, over the 23 years, and
5 recognizing that, for the first four years, they were
6 substantially below that, to achieve that 0.65 percent over the
7 23 years, they will in fact have to earn more than that between
8 2013 and 2023, correct?

9 MR. TAMBE: Objection, form of the question. If
10 there's a specific part of the Curry/Hasterok report that
11 supports what counsel is saying to this witness, he should show
12 it.

13 THE COURT: I understand the question. So, let's
14 keep going and see if Dr. Babbel understands the question,
15 because the question is whether or not Curry and Hasterok
16 assumed the 0.065 percent for every year, or whether, as you
17 just testified, that reflects an arithmetic average over the
18 remainder of the years to 2032.

19 MR. LAWRENCE: Mm hmm.

20 THE COURT: Is that what you're trying to ask?

21 MR. LAWRENCE: That's what I'm trying to get at, yes.

22 DR. BABBEL: I may not have spoken clearly, if I
23 testified to that. I think I testified that you could
24 calculate an average. I didn't testify that that's what they
25 would get. But, yes, you can calculate an average.

1 MR. LAWRENCE: So, when you go--if you could turn
2 briefly to 26, you depicted this not as an average but as a
3 constant yield, correct, the Curry/Hasterok replacement yield?

4 DR. BABBEL: Yes, that's what I did.

5 MR. LAWRENCE: If you can go back to that slide we
6 were just at on 18?

7 THE COURT: Could you--before you flip back, go back.

8 MR. LAWRENCE: Oh, sure. Let's go back to 26.

9 THE COURT: Yeah. So--yeah, that one. Okay. So, to
10 follow up on the question that Mr. Lawrence is asking, if you
11 took the red curve, which is the Curry/Hasterok curve, and, to
12 mimic the point that Mr. Lawrence is trying to make that
13 immediately, in the early months after the termination, it was
14 extremely low, it was barely above zero--

15 DR. BABBEL: Yes.

16 THE COURT: And, in order to get to the 0.065, it's
17 going to have to be higher, you--would it be more accurate to
18 generate a slightly bowed curve? In other words, you could
19 mathematically figure out what the rates would have to be, and
20 it could be more than one scenario, that would yield--no pun
21 intended--the 0.65 rate that they're assuming.

22 DR. BABBEL: Yes, if I could--

23 THE COURT: You understand what I'm saying?

24 DR. BABBEL: Yeah, I think so. And let me try to
25 explain the--

1 THE COURT: In other words, counsel is saying, "Oh
2 come on, they're not saying it's, every time you look at it,
3 0.65. They're saying, over the 23 years remaining, that's
4 going to be what the arithmetic average is. It's going to have
5 to go a little higher because, in the very early days, and
6 maybe even now, I don't know, it's so low." So, would it be
7 more accurate to have the red line be a very flat but curved
8 line, a curved shape instead?

9 DR. BABBEL: Mm hmm. Let me try to explain, with this
10 pointer helping.

11 THE COURT: Please.

12 DR. BABBEL: If I understood the question right,
13 you're saying this flat line, which reflects the single rate,
14 could actually--you could achieve similar results if you had a
15 line that started lower and got higher at some point.

16 THE COURT: That's right, yes, nipped up above--

17 DR. BABBEL: And then you could average those
18 together. Right.

19 THE COURT: Went up to, like, 1.3, came back down.

20 DR. BABBEL: Yes. Only problem is that, on any day
21 in those three years, there was never a forward curve like
22 that. The forward curve always looked like this. We plotted
23 it out year after year after year. And the forward curve tells
24 you what the market is willing to transact at, knowing that you
25 want to transact.

1 MR. LAWRENCE: And we'll get to what the forward
2 curve--

3 THE COURT: Okay. Thank you.

4 MR. LAWRENCE: My point is simply, if you have low
5 interest rates here--and you could look at the chart--so, that
6 you're going here, in order to achieve the 0.65, at some point
7 you're going to have to cross the line and start earning higher
8 interest rates, correct? On average.

9 DR. BABBEL: Yeah, but it's no longer--

10 MR. LAWRENCE: Can you answer that question? Is that
11 accurate?

12 DR. BABBEL: No. And here's why, because this is
13 not--that would not be a term structure of interest. That
14 would be a plot of historical rates.

15 MR. LAWRENCE: I'm not asking you whether it's a term
16 structure of interest. I'm not asking you whether it's a
17 forward curve. I'm simply asking you, whether to achieve a .65
18 average, and you're starting out here, interest rates would go
19 above, and if you plotted the line, it would look something
20 like that.

21 DR. BABBEL: Yes, now we've changed the access, and
22 it's not in maturity. It's a time plot of the actual interest
23 rate.

24 MR. LAWRENCE: Sure, and we'll go to maturity in a
25 second. But in the same way, that if you wanted -- we talked

1 about an average of this forward curve, which you decided that
2 the average was 3.5 percent, I guess theoretically, you could
3 draw a straight line across. That just wouldn't be a forward
4 curve, right?

5 DR. BABBEL: That's correct.

6 MR. LAWRENCE: Okay. So let's talk about the forward
7 curve for a second. I want to make sure that we understand
8 what it is. These are based on actual transactions, as of a
9 single date, March 25, 2009. Correct?

10 DR. BABBEL: They are.

11 MR. LAWRENCE: And that's what you describe, I think,
12 as market expectations, as of March 25, 2009.

13 DR. BABBEL: No.

14 MR. LAWRENCE: It's the market information, as of
15 2009.

16 DR. BABBEL: Yes, it embeds expectations, and a lot
17 of other things.

18 MR. LAWRENCE: That's fine. It reflects the market
19 information based on trades, on March 25, 2009. Right?

20 DR. BABBEL: Correct.

21 MR. LAWRENCE: Okay. So when we are looking at this
22 curve, and maybe it's best to go back to 18. This curve is
23 representing transactions in Treasuries that mature at various
24 times between year zero and year 23. Correct?

25 DR. BABBEL: Yeah, between 2009 and 2031.

1 MR. LAWRENCE: Thank you. So, and correct me if I'm
2 wrong -- the Treasury spot rates, are actually the yield I
3 would get. If I wanted to buy a nine-year Treasury, I'd get
4 roughly three percent.

5 DR. BABBEL: If it were what's called a zero coupon
6 bond, yes.

7 MR. LAWRENCE: And if I wanted to buy a 15-year
8 Treasury, I'd get four percent.

9 DR. BABBEL: Approximately, yes.

10 MR. LAWRENCE: And if I wanted to buy a 23-year
11 Treasury, I'd get four and a little bit percent.

12 THE COURT: Okay. Maybe this is my confusion, but I
13 thought when I asked a similar question, your answer was, that
14 this represented six-month Treasuries that matured at each of
15 these times.

16 DR. BABBEL: If I said that, I apologize. This spot
17 rate curve represents six months. The forward red curve
18 represents six-month securities. This spot rate curve
19 represents securities going from six months to 23 years.

20 THE COURT: Okay.

21 MR. LAWRENCE: But just to follow up on this
22 question, when you say six-month rates are reflected in the
23 Treasury forward-rate curve, that's implied six-month rates,
24 correct?

25 DR. BABBEL: It's mathematically equivalent.

1 MR. LAWRENCE: What I'm saying is, again, if I go to
2 the Treasury, and I want to buy a six-month T-bill, if I'm
3 using the right term, starting in year six and ending in year
4 six-and-a-half, I can't do that, right?

5 DR. BABBEL: I can. Can't you?

6 MR. LAWRENCE: I don't know.

7 DR. BABBEL: Yes, you can.

8 MR. LAWRENCE: I can buy -- and what would the rate
9 be?

10 DR. BABBEL: It would be approximately four and a
11 quarter on that day.

12 MR. LAWRENCE: Would I buy from the Treasury, or
13 would I buy it from a trader?

14 DR. BABBEL: You can get it from a trader. You can
15 get it from the Treasury too.

16 MR. LAWRENCE: I guess I'm a little bit confused
17 myself. Are these based on actual trades, or are these based
18 on implied of the long-term trades?

19 MR. TAMBE: Just so the record is clear, can we just
20 have in the record, which curve he's pointing to, when he asks
21 that question?

22 THE COURT: For the record, right.

23 MR. LAWRENCE: For the record, yeah.

24 DR. BABBEL: The forward curve can be derived from
25 the spot curve, or you could actually have transaction data, if

1 you were tracking it, and find out what those were. Because
2 there's always people in the market that need forward
3 commitments, like a mortgage.

4 MR. LAWRENCE: But you did this from the spot rate
5 curve, correct?

6 DR. BABBEL: I did. The Federal Reserve did it from
7 the --

8 MR. LAWRENCE: From the spot rate. So just so we're
9 clear, this curve is generated by looking at transactions in 1,
10 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 through 23-year maturity T-
11 bills.

12 DR. BABBEL: Yes, Treasury Bonds.

13 MR. LAWRENCE: Treasury Bonds, sorry. And then the
14 market looks at that information and says, okay, I can see what
15 the rate is being offered for seven years. I can see what the
16 rate is being offered for ten years. And I can then generate a
17 forward curve, to figure out if I want to trade at this point,
18 on a six-month basis. I use the long-term transactions to come
19 up with a rate, that I can go to another market and say, hey, I
20 want to do a swap. I want to give you dollars to get a fixed
21 rate, deliver Treasuries in year six-and-a-half. And that
22 hedge, or that swap, would be based on the implied six-month
23 rate, at that point. Is that fair?

24 DR. BABBEL: That's fair.

25 MR. LAWRENCE: So we're not talking about -- the

1 actual T-bill transactions are spot rate and the implied rates
2 that people trade on and hedge on and swap on. It's the
3 forward rates.

4 DR. BABBEL: That's correct.

5 MR. LAWRENCE: So again, if I am the TSA, or any
6 trader, and I don't have the ability to enter into long-term
7 transactions, of any sort, then I'm basically stuck with what I
8 can get for six months, right?

9 DR. BABBEL: Didn't you enter into a long-term
10 transaction of some 30 years, with Lehman Brothers?

11 MR. LAWRENCE: Do you have an opinion that an
12 equivalent contract to Lehman Brothers RFA, was available on
13 March 25, 2009? Have you looked at that, one way or the other?

14 DR. BABBEL: There were certainly swaps that went out
15 that far and even longer on March 25, 2009, based on forward
16 rates and spot rates.

17 MR. LAWRENCE: When you say swap, if I wanted to buy
18 a swap out to 2032, how would that work?

19 DR. BABBEL: In the marketplace, you look for someone
20 -- I don't know if you want to take the floating side or the
21 fixed side. If you want the fixed side --

22 MR. LAWRENCE: I want the fixed side in return.

23 DR. BABBEL: Yes, then you look for someone that
24 prefers floating rates. And they may prefer floating rates,
25 because they're better hedges for inflation, or some other

1 reason. Maybe their clients want something that's floating.
2 And then you can have a transaction, based upon a meeting of
3 those two curves.

4 MR. LAWRENCE: And so if I then say, oh, gee, I need
5 that money a year from now. You come out a year from doing
6 that transaction, I with the fixed rate says, I need that money
7 now. I need to go into the market again, and do another
8 transaction to get my money out of that. Correct? If I go to
9 you, the trader, you're going to say, it's going to cost you.
10 There's going to be some penalty for early withdrawal, the same
11 way like a CD, right?

12 DR. BABEL: I'm not sure that I understand your
13 hypothetical. Can you back up a little bit? There's one
14 piece, that I'm not quite sure on.

15 MR. LAWRENCE: I have the swap you described -- 23
16 years out. You're delivering a fixed rate. I'm giving you \$45
17 million.

18 DR. BABEL: Okay.

19 MR. LAWRENCE: I've come to the conclusion -- I need
20 my \$45 million back, and it's now one year out, rather than 23
21 years, okay?

22 DR. BABEL: Okay.

23 MR. LAWRENCE: I can sell my swap to somebody else,
24 correct?

25 DR. BABEL: You may be able to.

1 MR. LAWRENCE: But if interest rates have moved, then
2 I am taking the hit on interest rate uncertainty. They move
3 unfavorably to me, correct?

4 DR. BABBEL: If they move unfavorably, yes.

5 MR. LAWRENCE: But under the RFA, there was no
6 interest rate uncertainty that TSA had to face. It was
7 guaranteed for the entire life of the contract. Correct?

8 DR. BABBEL: There was a big uncertainty. The
9 instruments that you had delivered to you, all had credit risk.
10 Also the counterparty had a credit risk, and you made a bargain
11 with someone with credit risk.

12 MR. LAWRENCE: Well, we certainly made a bargain with
13 somebody who went bankrupt, and we understand that's why we're
14 here. But in terms of the perception in 2002, I'm going to get
15 my 4.484 percent. I'm telling you -- I'm trying to minimize
16 risk on counterparties on commercial paper, by saying six
17 months. You can only buy six-month commercial paper. You
18 can't buy 23, and you have to buy very high grade. Those are
19 ways that I am trying to mitigate credit risk uncertainty.
20 Correct?

21 DR. BABBEL: Yes.

22 MR. LAWRENCE: And Lehman was taking on the credit
23 risk uncertainty, that interest rates would move between 2002
24 and 2032.

25 DR. BABBEL: I doubt it.

1 MR. LAWRENCE: Well, if rates moved unfavorably to
2 Lehman, they still have to pay the 4.484 percent, correct?

3 DR. BABBEL: Now having been in this industry, I
4 doubt it. Usually, what the dealers do is look for
5 counterparties, so that they can pass on the obligation to
6 someone that prefers that sort of profile.

7 MR. LAWRENCE: So they can hedge?

8 DR. BABBEL: Yes, they hedge.

9 MR. LAWRENCE: So the whole point of this forward
10 curve -- it allows people to transact swaps and hedges to cover
11 the interest rate uncertainty of the transaction. That's part
12 of what the forward curve is about.

13 DR. BABBEL: That's correct.

14 MR. LAWRENCE: And the forward curve is meaningful to
15 a market participant, if, in fact, they can transact in that
16 way. Correct?

17 DR. BABBEL: It is meaningful if they can, but that
18 doesn't mean it's not meaningful if they can't.

19 MR. LAWRENCE: But the people who can take advantage
20 of these swaps and hedges, are people who can transact in swaps
21 and hedges. Correct?

22 DR. BABBEL: As long as you don't say, only those who
23 can transact, yes.

24 MR. LAWRENCE: And you haven't done an evaluation of
25 the limitations on TSA's ability to transact in the market. In

1 fact, that's irrelevant to you. Is that right?

2 DR. BABBEL: It's irrelevant to the determination of
3 the market value of the change in the contract. But it's not
4 irrelevant to me.

5 MR. LAWRENCE: It's irrelevant to the use of the
6 forward curve as an indication of value of the contract.
7 Correct?

8 DR. BABBEL: That's right. The market still has its
9 values, independent of who the actors are.

10 MR. LAWRENCE: And I think you told -- I'm sorry. I
11 think you told Mr. Tambe that this is valuable information for
12 people who "transact in the market." Right?

13 DR. BABBEL: It is.

14 MR. LAWRENCE: And I think you also told Mr. Tambe,
15 that this forward curve is not used for predicting future
16 rates. Correct?

17 DR. BABBEL: I don't use it for predicting rates.
18 Some people do. It contains expectations in it, but it's
19 really telling you what today's cost is for securing rates in
20 the future and the price of credit.

21 MR. LAWRENCE: I believe that -- did you not testify
22 that it's not used for prediction? (Indiscernible) should be
23 used, as a professor of finance and academic.

24 DR. BABBEL: Yes, and you need to add some additional
25 assumptions, if you're going to say that the forward rate is a

1 predictor of the future short rate. I don't make those
2 assumptions. What I know is (indiscernible) that tells you
3 today's price for securing all of those future rates. That
4 doesn't mean it's necessarily a predictor.

5 MR. LAWRENCE: Now, the Court asked you a question.
6 I just want to make sure we all understand. Now, if we go a
7 year out from March 25, 2010, and generate a forward curve on
8 March 25, 2010, that will reflect transactions on March 25,
9 2010. Correct?

10 DR. BABBEL: Correct.

11 MR. LAWRENCE: So it's not going to capture all the
12 transactions between March 25, 2009, and March 24, 2010.
13 Correct?

14 DR. BABBEL: Correct.

15 MR. LAWRENCE: So it's a snapshot of the market
16 transactions on a single day.

17 DR. BABBEL: Correct.

18 MR. LAWRENCE: Just give me a second.

19 THE COURT: Sure.

20 MR. LAWRENCE: And just to make sure that we
21 understand, you mentioned -- I'm sorry do you need -- can I --

22 DR. BABBEL: I'm listening.

23 MR. LAWRENCE: Oh, okay.

24 DR. BABBEL: I just found something that sort of
25 addressed your last question.

1 MR. LAWRENCE: You keep saying that people transact
2 to secure. What you're talking about there, is that, if I'm
3 interested in obtaining a long-term interest rate, I need to
4 transact to secure that rate, by hedges or swaps, for example.
5 Yes?

6 DR. BABBEL: No. You said, if you want something,
7 that doesn't mean you need to do this. You can do this.

8 MR. LAWRENCE: If I wanted to do that, I would
9 transact in hedges or swaps. Correct?

10 DR. BABBEL: You could.

11 MR. LAWRENCE: Or another thing I could do is, I
12 could buy Treasuries that come due each of the six months
13 between 2009 and 2032. Correct?

14 DR. BABBEL: They'd mature then, but they all began
15 on day zero?

16 MR. LAWRENCE: Yeah.

17 DR. BABBEL: You could come up with long-term rates
18 for each of those, yes.

19 MR. LAWRENCE: I could go out and buy T-bills at six
20 months, and one year, one-and-a-half and two years, et cetera,
21 et cetera, and then I would absolutely get those spot rates.
22 Correct?

23 DR. BABBEL: Yes.

24 MR. LAWRENCE: That would cost a lot of money.

25 DR. BABBEL: It could, yes.

1 MR. LAWRENCE: Thank you. I have nothing further.

2 THE COURT: Okay.

3 MR. TAMBE: Let's stay with slide 18, Dr. Babbel. We
4 discussed during the direct, that if you are an end-user, like
5 Washington TSA, you don't get to pick your own interest rate.
6 Correct?

7 DR. BABBEL: That's correct.

8 MR. TAMBE: Does the market provide the interest
9 rate?

10 DR. BABBEL: It does.

11 MR. TAMBE: Okay. And how does the market provide
12 the interest rate to end users like Washington TSA?

13 DR. BABBEL: You start with the term structure, which
14 gives you the base to work from, and then if there's some
15 credit risk or some other issues, you can adjust it.

16 MR. TAMBE: The forward curve that you were asked
17 about, I think Mr. Lawrence made the point that the TSA
18 couldn't transact on that forward curve. Do you recall that?

19 DR. BABBEL: I heard that, yes.

20 MR. TAMBE: There are participants in the market, who
21 were transacting on that forward curve. Correct?

22 DR. BABBEL: Absolutely.

23 MR. TAMBE: And those transactions have a connection
24 to the spot rate. Do they not, sir?

25 DR. BABBEL: They do.

1 MR. TAMBE: Can those transactions occur at rates
2 that diverge from the spot rate?

3 DR. BABBEL: If they do, you end up opening yourself
4 up to having your wealth arbitrated away.

5 MR. TAMBE: And is that, in fact, what happens in
6 markets like Treasury markets, where there is arbitrage, to get
7 rid of any of those differences?

8 DR. BABBEL: Yes.

9 MR. TAMBE: And how quickly does that happen, in your
10 opinion?

11 DR. BABBEL: We were doing it very quickly at
12 Goldman. I watched those screens, and we were isolating those
13 deviations, minute by minute.

14 MR. TAMBE: And those transactions of other people,
15 not end users like TSA, other people are entering into those
16 transactions on the forward curve. Correct?

17 DR. BABBEL: Yes.

18 MR. TAMBE: And that's generating data. Correct?

19 DR. BABBEL: It is.

20 MR. TAMBE: And if you are an end user like the TSA,
21 and you wanted the value -- one of those obligations at six-
22 month intervals, you would take the market price. Correct?

23 DR. BABBEL: Yes.

24 MR. TAMBE: You don't get to pick your own price,
25 about what those obligations are worth. Correct?

1 DR. BABBEL: That's correct.

2 MR. TAMBE: 26, I believe. You were asked some
3 questions about the 65 basis point issue. Correct?

4 DR. BABBEL: Yes.

5 MR. TAMBE: Have you seen in Mr. Curry and Mr.
6 Hasterok's report, or in the deposition testimony, any analysis
7 of any variability in that 65 basis point number, other than
8 their backward-looking variation for the four years between
9 2009 and 2013?

10 DR. BABBEL: No, I haven't.

11 MR. TAMBE: Do they tell you, whether after year
12 four, after 2013, whether that's going to be a little bit
13 higher or a little bit lower?

14 DR. BABBEL: They don't

15 MR. TAMBE: Okay. And is it your understanding, that
16 what Mr. Curry and Mr. Hasterok have done, is simply accept the
17 65 basis points, as what they call their replacement yield?

18 DR. BABBEL: Yes.

19 MR. TAMBE: And do they project that into the future,
20 23 years?

21 DR. BABBEL: They do.

22 MR. TAMBE: Do they make any adjustments to it, when
23 they provide their expert opinion?

24 DR. BABBEL: I didn't see any adjustments.

25 MR. TAMBE: So, what you've seen of the Curry and

1 Hasterok report, is an assumption, or an opinion, that at 65
2 basis points -- and that's the only number you've seen. Is
3 that right?

4 MR. LAWRENCE: Can I object as leading? That's an
5 argumentative and leading question. It's (indiscernible).

6 THE COURT: Try a different --

7 MR. TAMBE: Have you seen any data presented by Mr.
8 Curry and Mr. Hasterok, other than backward-looking data, that
9 shows any variation in the 65 basis points?

10 DR. BABBEL: No.

11 MR. TAMBE: You were asked a question about
12 averaging. And you were asked -- well, you could look at that
13 forward curve -- this is the Treasury forward curve, and isn't
14 that the same thing as a straight line, maybe at 3 1/2
15 percent? Do you remember that?

16 DR. BABBEL: Yes.

17 MR. TAMBE: Why is that not the same thing?

18 DR. BABBEL: Because over any short time period, you
19 don't earn that rate. You earn these rates that are -- the
20 only ones you can secure, are the ones in the forward curve.
21 And so, just as a mathematical exercise, as I understood the
22 question, he wanted to say, well, could you come up with an
23 average of all those forward rates. Yes, anyone can calculate
24 an average. Do you ever earn that average over any period of
25 time? No.

1 MR. TAMBE: And how would you discount the present
2 value of that type of a mathematical average?

3 DR. BABBEL: What you typically do, if you're using a
4 single rate, it's akin to what's called a yield to maturity.
5 And what that tries to do, is average all the rates that you
6 earn over the contract. And it weighs each rate that you're
7 earning, over the period -- your Honor won't like this, but I
8 have to say it.

9 THE COURT: I'm intrigued.

10 DR. BABBEL: You take each one of these rates, that
11 you're actually earning, and depending on the size of the cash
12 ability, you weigh them by what's called the dollar duration
13 weighted average. You come up with (indiscernible). Okay?
14 The dollar duration is a mathematical expression that takes
15 into account how long the periods are, and how many dollars
16 occurred each time, in present value terms. You can only do
17 that, if you already know the price of the instrument. You
18 wouldn't determine the price by discounting a rate like that,
19 because you wouldn't know what rate to use. You figure out the
20 value by using these rates, and then you can backward fill out
21 -- well, if you want to convert it to a single rate.
22 (Indiscernible). I promised you, you wouldn't like it, but
23 it's explained in a couple of my books.

24 THE COURT: I like it fine.

25 MR. TAMBE: We've discussed using primarily

1 Treasuries. The fact that there's a spot rate and a forward
2 rate. Right?

3 DR. BABBEL: Correct.

4 MR. TAMBE: The other eligible securities, under the
5 RFA were commercial paper. Do you know that?

6 DR. BABBEL: Yes.

7 MR. TAMBE: Is there similar information available
8 for commercial paper, in terms of spot rates and forward rates?

9 DR. BABBEL: There is.

10 MR. TAMBE: And how does a market discover that
11 information?

12 DR. BABBEL: By looking at the transactions that are
13 reported. You have screens that show all of this.

14 MR. TAMBE: And does the TSA need to transact, for
15 the market to know what the price is?

16 DR. BABBEL: No.

17 MR. TAMBE: And does the TSA get to set its own price
18 for commercial paper?

19 MR. LAWRENCE: Asked and answered, your Honor.

20 DR. BABBEL: No.

21 MR. TAMBE: Let's talk about agencies. Is there
22 other agency spot curves and forward curves?

23 DR. BABBEL: You can construct them, yes.

24 MR. TAMBE: And does the existence of those spot
25 curves and agency curves, depend on whether the TSA is

1 transacting?

2 DR. BABBEL: No.

3 MR. TAMBE: What does it depend on?

4 DR. BABBEL: It depends on the market participants,
5 and who's transacting.

6 MR. TAMBE: And those transactions by market
7 participants -- do they yield prices?

8 DR. BABBEL: They do.

9 MR. TAMBE: And by prices, I mean interest rates,
10 when you're talking about money.

11 DR. BABBEL: Yes, they yield interest rates.

12 MR. TAMBE: And does the TSA get to say, I'm going to
13 have a different rate, than what the market rate is.

14 DR. BABBEL: No.

15 MR. TAMBE: So, if you're investing in eligible
16 securities, you take the rate that the market gives you.

17 DR. BABBEL: That's correct.

18 MR. LAWRENCE: Again, can we just try to get
19 something other than a leading question, your Honor?

20 THE COURT: Not leading. Okay. No more leading
21 questions.

22 MR. TAMBE: Can I just set it up to ask a leading
23 question?

24 THE COURT: No.

25 MR. TAMBE: There was a discussion -- do you recall a

1 discussion about whether the TSA had any interest-rate
2 uncertainty, when it was receiving 4.484 percent from Lehman?

3 DR. BABBEL: Yes.

4 MR. TAMBE: If, during the life of this contract,
5 when the TSA was receiving 4.484 percent from Lehman, actual
6 interest rates have been a lot higher. Would that be a good
7 deal from the TSA's perspective?

8 MR. LAWRENCE: Objection, calls for speculation.

9 THE COURT: I'm going to allow it.

10 DR. BABBEL: TSA could have earned a lot more, had
11 they taken the floating rate leg.

12 MR. TAMBE: Do you have a moment, your Honor?

13 THE COURT: Sure.

14 MR. TAMBE: Just a question about penalties. Do you
15 recall the discussion that Mr. Lawrence asked you, whether
16 there would be a penalty, if there was an early withdrawal from
17 a CD?

18 DR. BABBEL: Yes.

19 MR. TAMBE: Is it your understanding that there would
20 be a penalty, if there was an early termination of the swap?

21 DR. BABBEL: No.

22 MR. TAMBE: When a swap is terminated, of the type
23 you described, could there be payments made by the defaulting
24 party?

25 DR. BABBEL: Yes.

1 MR. TAMBE: Could there be payments made to the
2 defaulting party?

3 DR. BABBEL: Yes.

4 MR. TAMBE: No further questions, your Honor.

5 THE COURT: All right.

6 MR. LAWRENCE: Just a couple of questions.

7 DR. BABBEL: Sure.

8 MR. LAWRENCE: I shouldn't say a couple, because it's
9 more than two, but not too many.

10 THE COURT: Lawyers' expert estimates of time are
11 always wrong. That is an absolutely unassailable principle,
12 you could teach in any of your classes.

13 MR. LAWRENCE: Right. Draw a forward curve on it,
14 I'm sure. So you talked about -- is there a CP swap market?

15 DR. BABBEL: Commercial paper?

16 MR. LAWRENCE: Yeah.

17 DR. BABBEL: You can have swaps, based on commercial
18 paper. Yes.

19 MR. LAWRENCE: And you can see these swap
20 transactions get reported every day. Correct?

21 DR. BABBEL: They do.

22 MR. LAWRENCE: And in terms of Treasuries, I think
23 we've talked about those transactions that are reported every
24 day. Correct?

25 DR. BABBEL: Yes.

1 MR. LAWRENCE: And swaps on Treasuries are reported
2 every day. Correct?

3 DR. BABBEL: Yes, in fact, every minute of the day.

4 MR. LAWRENCE: Now you indicated you could generate
5 an agency-forward curve, but it's correct that there's no swap
6 market for agencies. Correct?

7 DR. BABBEL: No swap market for agencies?

8 MR. LAWRENCE: Yeah.

9 DR. BABBEL: I don't believe that.

10 MR. LAWRENCE: Do you know one way or the other?

11 DR. BABBEL: It seems to me that that was part of the
12 contract. One of the security packages that could be
13 delivered, was based on agencies, and that's swapping it for a
14 fixed rate obligation.

15 MR. LAWRENCE: Well, is there a hedge market for
16 agencies, where I can go out and purchase agencies, vis-à-vis
17 LIBOR?

18 DR. BABBEL: There's definitely a hedge market for
19 agencies. We did it all the time. And if we messed up, we
20 took big losses. Solomon took big losses.

21 MR. LAWRENCE: You messed up, because it's not the
22 same type of relationship as to LIBOR, as CP is. Right?

23 DR. BABBEL: I'm not sure I understood the question.
24 When you say it's not the same relation to LIBOR as commercial
25 paper --

1 MR. LAWRENCE: There's an active CP, LIBOR swap
2 market.

3 DR. BABBEL: Yes.

4 MR. LAWRENCE: And is it fair that there's not the
5 same level of activity in the agency LIBOR swap market?

6 DR. BABBEL: I don't know if there's the same level
7 of activity that's --

8 MR. LAWRENCE: You don't know?

9 DR. BABBEL: No.

10 MR. LAWRENCE: Okay. Now, under the TSA, RFA, if --
11 I think you described, if interest rates went way up, and TSA
12 wanted to get out of the agreement to take advantage of
13 floating rates -- you understand there would be a large
14 termination payment due to Lehman for TSA to get out of that
15 agreement. Right?

16 DR. BABBEL: I don't know. I haven't done that work.

17 MR. LAWRENCE: But you did review the agreement?

18 DR. BABBEL: Yes.

19 MR. LAWRENCE: And you understand, that typically,
20 with respect to forward-purchase agreements, if somebody wants
21 to get out, i.e., not perform their part, there's a termination
22 payment due, depending upon -- it could be in the money or out
23 of the money. Right?

24 DR. BABBEL: That's correct.

25 MR. LAWRENCE: And if interest rates have gone way

1 up, Lehman would have been in the money in the RFA. Correct?

2 DR. BABBEL: Someone would be in the money.

3 MR. LAWRENCE: And in terms of floating rates, let's
4 say TSA gets out of the RFA. They take care of the termination
5 payment, because they're the one getting out, and Lehman is the
6 burden party. When they go in to take advantage of floating
7 rates, then TSA would be taking on the interest-rate
8 uncertainty. Correct?

9 DR. BABBEL: If TSA got out of the market?

10 MR. LAWRENCE: And got into floating rates -- tried
11 to take advantage of floating rates.

12 DR. BABBEL: They would have interest-rate
13 uncertainty.

14 MR. LAWRENCE: Thank you. I have nothing further.

15 MR. TAMBE: Just one question, your Honor. The
16 record may not have been clear. You were asked questions about
17 the agency swap market. Do you remember that, Dr. Babbel?

18 DR. BABBEL: Yes.

19 MR. TAMBE: You described an experience at Solomon.
20 Do you recall that?

21 DR. BABBEL: Yes.

22 MR. TAMBE: Could you explain what you meant by your
23 answer, sir?

24 DR. BABBEL: Solomon was trying to hedge their
25 position in agencies, a huge position, and they got the hedge

1 ratio wrong. I could explain technically, exactly what
2 happened, but the bottom line is, they lost a lot of money.

3 MR. TAMBE: To do the hedging with the agencies, did
4 Solomon enter into the agency swap market?

5 DR. BABBEL: They did. They were using a ten-year
6 Treasury, and swapping for agencies.

7 MR. TAMBE: The reason that Solomon lost money -- was
8 that because the market was inefficient?

9 DR. BABBEL: No.

10 MR. TAMBE: It's because Solomon made a mistake in
11 rising its hedge?

12 DR. BABBEL: They did. I teach it in my classes.

13 MR. TAMBE: Thank you, your Honor.

14 THE COURT: And just for the record, you said you
15 were going to ask one question, and you asked five.

16 MR. TAMBE: I'm sorry, your Honor. [LAUGHTER]

17 THE COURT: Proving -- [LAUGHTER] And we're done
18 with this question --

19 MR. LAWRENCE: Yes.

20 THE COURT: -- or however many you're actually going
21 to ask?

22 MR. LAWRENCE: I have one document that I would like
23 to show the witness.

24 MR. TAMBE: That would be beyond the scope of direct.

25 THE COURT: You both have been totally ignoring the

1 scope, the entire time. [LAUGHTER] So we'll conclude with Mr.
2 Lawrence, perhaps ignoring the scope.

3 MR. LAWRENCE: This is TSA, Exhibit P. And this is a
4 document from Lehman. It's dated 2008, and it -- I'm sorry.
5 There you go. And it's talking about forward-purchase
6 agreement with municipal issuers. Do you see that?

7 DR. BABBEL: Yes.

8 MR. LAWRENCE: And it talks about four purchase
9 agreements, based on CP, Treasury and agency. Do you see that?
10 Do you see the paragraph that's highlighted?

11 DR. BABBEL: Yes.

12 MR. LAWRENCE: And in that document, it says, there
13 is no agency/LIBOR bias swap market. Do you see that?

14 DR. BABBEL: Yes.

15 MR. LAWRENCE: Do you have any reason to disagree?

16 DR. BABBEL: Yes. You said bias swap market, and
17 it's basis.

18 MR. LAWRENCE: Basis, okay, I'm sorry. You got me.
19 Do you have any reason to disagree with the Lehman statement,
20 there is no agency LIBOR basis swap market?

21 DR. BABBEL: I don't have any reason to disagree with
22 that. That doesn't mean there isn't the ability to do swaps
23 with agencies, because we did them all the time.

24 MR. LAWRENCE: I have nothing else.

25 THE COURT: Okay. All right, Dr. Babbel, thank you

1 very much. You're excused.

2 DR. BABBEL: Thank you.

3 THE COURT: Did you folks want to keep going, or do
4 you want a seven-minute break?

5 MR. LAWRENCE: I will say, your Honor, that we get
6 our exercise, running to the (indiscernible).

7 THE COURT: Mr. Gruer, would you please stand up, and
8 raise your right hand? Do you solemnly swear or affirm that
9 all the testimony you are about to give before the Court, shall
10 be the truth, the whole truth, and nothing but the truth?
11 Please have a seat. Let us know, if at any time you would like
12 to take a break, or if you need anything else to be
13 comfortable.

14 MR. GRUER: Thank you.

15 MR. TAMBE: Good afternoon, Mr. Gruer.

16 MR. GRUER: Good afternoon.

17 MR. TAMBE: Would you introduce yourself to the Court
18 please?

19 MR. GRUER: Excuse me?

20 MR. TAMBE: Please introduce yourself to the Court.

21 MR. GRUER: My name is Sam Gruer, and I'm here to
22 testify on behalf of Lehman Brothers.

23 MR. TAMBE: Mr. Gruer, could you turn to tab 12 in
24 your binder? It's debtor's Exhibit 12.

25 MR. GRUER: Okay.

1 MR. TAMBE: Could you describe for the Court what
2 that is?

3 MR. GRUER: Sure, that is a summary of my career
4 experience, my curriculum vitae, summarizing my first job in
5 1986, through today.

6 MR. TAMBE: And is that a document that accurately
7 describes your work experience?

8 MR. GRUER: Yes, it does.

9 MR. TAMBE: Have you prepared a slide deck to assist
10 the Court with your testimony today?

11 MR. GRUER: I have. It's a more condensed version of
12 my CV.

13 MR. TAMBE: So turning to page one of that
14 demonstrative, could you please describe for the Court, your
15 work experience. And if you could highlight the relevant parts
16 of your work experience, that are relevant to the opinions you
17 are expressing here.

18 MR. GRUER: Sure, sure. Immediately upon graduating
19 from MIT in 1986, I took a position as an analyst in the
20 Municipal Finance Department at Goldman Sachs. My
21 responsibilities primarily were analytic support for the
22 bankers, insuring that transactions were structured in
23 compliance with all applicable tax codes.

24 MR. TAMBE: No forward-purchase agreements in this
25 part of your career?

1 MR. GRUER: No, I did not. My next position,
2 starting in 1989, was with Morgan Stanley, also in the
3 Municipal Finance Department, or Public Finance Department, as
4 they called themselves at the time. Similar responsibilities
5 to those at Goldman Sachs, albeit at a more senior level. It
6 was during that time period that I first became aware of
7 forward-purchase agreements, and began exploring their use for
8 certain clients. But to the best of my recollection, I don't
9 recall actually transacting during that time period in those.

10 MR. TAMBE: When did you first transact in the
11 forward-purchase agreements?

12 MR. GRUER: While at Prudential Securities. At
13 Prudential Securities, I had responsibility for the analytic
14 group, within the Public Finance Department, but I was also the
15 head of new products, within the Municipal Bond Department.
16 And what that meant, was that any new product offered to our
17 clients, be it our investing clients in the form of bond
18 structures, or to our issuer clients, in the form of new
19 structures, new investment strategies, at some point in time,
20 came through me. It was during that responsibility that I
21 first began using forward-purchase agreements. While at
22 Prudential, we used those for our clients in the form of escrow
23 float contracts, which was one of the original uses for the
24 forward-purchase agreement. Prudential, at that time, was not
25 a principal, so we acted as an agent, and sourced the

1 transactions to other dealers who were principals in the
2 market. But my responsibilities not only included analyzing
3 the appropriateness and the suitability of those products, but
4 also making sure that they were done at fair market price. So
5 valuations were something that I did regularly.

6 MR. TAMBE: Can we discuss your next job -- I guess
7 that's J.P. Morgan, including Chemical Bank.

8 MR. GRUER: Correct. And I'll use J.P. Morgan as an
9 amalgam, because they changed their name, quite a few times
10 during the time period that I was there. But in 1994, I and
11 many of my colleagues from Prudential, were recruited to what
12 was then called Chemical Bank. And we were recruited primarily
13 to start up a municipal derivatives operation from scratch.
14 While Chemical was a big player at the time in the derivative
15 space, they were not a player in the municipal derivative
16 space. So we came on board to begin that business at Chemical.
17 My specific responsibility during that time period, initially,
18 was to develop the models and the methodology for offering
19 forward-purchase agreements as principal to our clients. So in
20 addition to looking from a market's perspective, and a
21 marketing perspective, what type of clients we should approach,
22 how we should go about getting business, it also involved on a
23 day-to-day basis, working with our new products approval
24 committee, to make sure that we check every box, to get
25 authorization to proceed. And that included all the

1 disciplines that you would expect -- valuation, tax, market-
2 risk, accounting, marketing, reputational risk, et cetera. So
3 we ran the entire process through the new products' approval
4 process. That took probably about six to nine months to get
5 approval, and we started transacting from that point forward.

6 MR. TAMBE: And you were at J.P. Morgan, and its
7 predecessor entities for about 12 years it looks like. Is that
8 right?

9 MR. GRUER: That's correct. Just as a clarity point,
10 I resigned from what was then called Chase, in early 2000, to
11 accept a position at J.P. Morgan. Approximately six months
12 after I got to J.P. Morgan, unbeknownst to me, J.P. Morgan and
13 Chase announced that they were merging. And in the merge
14 entity, I actually moved right back to the original seat that
15 was still vacant, after I left six months earlier.

16 MR. TAMBE: During that 12-year period, is that when
17 the tobacco securitizations took place?

18 MR. GRUER: Yes.

19 MR. TAMBE: And were you involved in any way, in any
20 of the tobacco securitization RFA's or bond issuances?

21 MR. GRUER: I recall being aware of them, but to the
22 best of my recollection, I never transacted in one of those. I
23 may have explored and bid on several of them. I don't
24 specifically recall, but I'm fairly certain that I did not
25 transact in any of them.

1 MR. TAMBE: Were there certain dealers that were more
2 prominent in that space, than J.P. Morgan?

3 MR. GRUER: It really varied. I'd say most of the
4 dealers, in my experience, were equally spread out. There were
5 some, that in a given period of months, might be more
6 successful. And in another period of months, somebody else
7 might be more successful. But I don't recall being aware that
8 any particular dealer was more successful in that space.

9 MR. TAMBE: Just in terms of forward-purchase
10 agreements, do you recognize that the RFA is a type of forward-
11 purchase agreement?

12 MR. GRUER: Yes.

13 MR. TAMBE: Just in terms of FPA's then, a rough
14 approximation of how many FPA transactions you were involved
15 with, while at J.P. Morgan?

16 MR. GRUER: A lot. Typically, in a week, I would
17 receive bids, and most of the transactions were done on a
18 competitively bid basis, not on a negotiated basis, but not
19 exclusively. I would receive anywhere from two, to as many as
20 15 bids a week -- week in and week out throughout the year,
21 during that 12-year period. I would bid on most of them.
22 Sometimes I'd be successful. Sometimes I wouldn't be
23 successful. So in terms of actual transactions that I priced
24 and participated in the bid process, several thousand; in terms
25 of transactions, that I actually was successful, and was

1 awarded the transaction, and we actually moved to closing --
2 several hundred would be a floor. It might be significantly in
3 excess of a thousand.

4 MR. TAMBE: And did you have a particular approach or
5 methodology that you used in evaluating pricing, bidding on
6 these?

7 MR. GRUER: Oh, absolutely, yes.

8 MR. TAMBE: And is that methodology that you used,
9 while at J.P. Morgan, consistent with the methodology you've
10 used to provide your opinions here today?

11 MR. GRUER: It is.

12 MR. TAMBE: If you could describe the rest of your
13 career, after J.P. Morgan.

14 MR. GRUER: Sure. I left J.P. Morgan in 2006, to
15 accept a position at Deutsche Bank. During my time period at
16 Deutsche Bank, I was a director in their rate-structuring, and
17 I had overall responsibility for marketing, within the Midwest
18 region of derivative products. In 2008, I left Deutsche Bank,
19 and started Cityview Capital Solutions, where I currently am.

20 MR. TAMBE: When did you start Cityview Capital
21 Solutions?

22 MR. GRUER: I think the date of incorporation is
23 October 15th of 2008. I don't know the exact date. It was
24 December of 2008, when we actually opened the doors for
25 business.

1 MR. TAMBE: And what kind of business have you been
2 doing at Cityview, from 2008 to the present?

3 MR. GRUER: Advisory work within the municipal
4 finance business -- my clients predominately are government
5 entities, not unlike Washington TSA. They also include
6 hospitals, universities. Basically, all sorts of entities that
7 can borrow in the tax-exempt municipal bond market. I advised
8 them, both on the debt-issuance process, and also with respect
9 to the investment of bond proceeds, whether that be helping
10 them source new investments, when bond transactions closed, or
11 unwinding, restructuring, modifying, et cetera, existing
12 agreements, that I may have had a role of putting in place, or
13 may have predated me.

14 MR. TAMBE: Have you had any involvement with
15 forward-purchase agreements, while at Cityview?

16 MR. GRUER: Yes, quite a bit.

17 MR. TAMBE: Putting this matter aside, could you
18 generally describe what your engagements have been?

19 MR. GRUER: Sure. Starting in late 2008, or early
20 2009, in part because of the financial crisis, there were a lot
21 of refinancings and a lot of bond restructurings that were
22 going on. During the course of that time period, a lot of
23 those refinancings, necessitated existing investment
24 agreements, whether they be debt service reserve fund
25 agreements, like the RFA in question here, or other debt-

1 service funds. They typically needed to be modified,
2 restructured, or terminated, depending upon the particulars of
3 the refinancing transaction. I advised and guided my clients
4 on those types of transactions, interacting with the dealers
5 extensively, during that time period.

6 MR. TAMBE: Did that work, that you just described,
7 include valuation of those types of transactions?

8 MR. GRUER: Absolutely. Whether I'm taking my client
9 out of a transaction, or putting my client into a transaction,
10 first and foremost, is that they transact at fair market value.
11 That's my responsibility to them, to make sure that they
12 transact, after their market value, so, yes, absolutely.

13 MR. TAMBE: And did you do any evaluation work for
14 clients, who were neither getting into a transaction or getting
15 out of a transaction, but just wanted evaluation.

16 MR. GRUER: With respect to RFA's, no. With respect
17 to interest-rate swaps, yes. Typically for quarterly filings -
18 - some of my clients needed to get individual or independent
19 evaluations, and I provide those.

20 MR. TAMBE: And what kind of methodology or market
21 data, did you use at Cityview from 2008 to the present, to
22 provide these services to your clients?

23 MR. GRUER: Not unlike the methodology that I
24 outlined in my expert report. And that is, I would look at the
25 structure of the transaction. I would look at the eligible

1 securities that were allowed to be delivered, and any other
2 features that may be uniquely specific to a transaction,
3 generate forward curves and value the transaction.

4 MR. TAMBE: In terms of the Lehman estate, have you
5 represented clients, who were adverse to (indiscernible)?

6 MR. GRUER: Yes.

7 MR. TAMBE: Could you describe those engagements?
8 Again, without breaching any confidentiality concerns you might
9 have.

10 MR. GRUER: Sure, in one case, I was representing
11 another municipal entity, who had two deck service reserve fund
12 agreements in place with the Lehman Estate. And I was
13 representing my client, which was a municipality in the U.S. on
14 terminating two existing RFA's. That was done on a negotiated
15 arm's length transaction basis. It never got to the mediation
16 process, or to litigation. It was negotiated and settled.

17 MR. TAMBE: And what type of process or methodology
18 did you use to provide those services to your municipal
19 clients, facing the Lehman Estate?

20 MR. GRUER: The same.

21 MR. TAMBE: Turning to page two of the demonstrative,
22 would you, without getting into the actual opinions, describe
23 for the Court, what is the scope of the opinions that you've
24 been asked to provide here?

25 MR. GRUER: Sure. I was asked to provide a valuation

1 of the RFA, as of March 25, 2009, using industry standard
2 methodology. And also I was asked to respond and critique the
3 reports submitted by Mr. Shapiro, Mr. Curry, and Mr. Hasterok.

4 MR. TAMBE: Were you told by Lehman, what valuation
5 methodology to use?

6 MR. GRUER: No.

7 MR. TAMBE: Your Honor, we tender Mr. Gruer as an
8 expert in the valuation of the RFA and the related opinions.

9 THE COURT: All right. Any objection?

10 MR. LAWRENCE: One question, if I may?

11 THE COURT: Sure.

12 MR. LAWRENCE: Do you consider yourself an expert in
13 tobacco RFA's? Do you have a particular expertise in tobacco
14 RFA's?

15 MR. GRUER: In tobacco RFA's, no -- in RFA's,
16 absolutely.

17 MR. LAWRENCE: With that, I would object that there's
18 no expertise in tobacco RFA's, which is the RFA at issue.

19 THE COURT: Objection overruled.

20 MR. TAMBE: Could you summarize briefly for the
21 Court, the core opinions that you've reached in this case?

22 MR. GRUER: Sure. The first opinion is that, as of
23 March 25, 2009, the valuation of the RFA was approximately \$1.1
24 million, payable by TSA to Lehman Brothers. My second key
25 opinion, is that the Schwab financial report is wrong;

1 specifically, if DO charges are to be included in the
2 termination amount, Schwab Financial's credit charge
3 substantially exceeds any commercially reasonable credit
4 charge, that I have seen or calculated in my career. And
5 lastly, the current Hasterok report is just inconsistent with
6 industry and market practice and standards, and results in a
7 valuation that is unsupportable and highly inflated.

8 MR. TAMBE: If you could turn to your expert report -
9 - it's tab 139 in the binder. Is what's behind debtor's
10 Exhibit 139, is that the expert report you submitted in this
11 case?

12 MR. GRUER: Yes, it is.

13 MR. TAMBE: And you have had an opportunity to review
14 that report before today. Correct, sir?

15 MR. GRUER: Yes, I have.

16 MR. TAMBE: Are there any edits or amendments you
17 wish to make to this report?

18 MR. GRUER: There was just one typo that came out --

19 MR. TAMBE: Could you point that out please?

20 MR. GRUER: -- in deposition, in paragraph 67, on the
21 third line, the number 20.3 in the middle of the line, should
22 be replaced with 16.9, which is the same number on the last
23 line of the paragraph.

24 MR. TAMBE: With that one change, do you adopt this
25 expert report, as your direct testimony in this case?

1 MR. GRUER: Yes, I do.

2 MR. TAMBE: Let's discuss some of the opinions you
3 outlined for the Court a moment ago. And let's start with --
4 even before we look at any documents, what's your approach,
5 when you're asked to value a forward-purchase agreement?

6 MR. GRUER: The first thing I would do, is I would
7 look at the contract or term sheet, and I would look at the
8 tenor of the transaction, the eligible securities that could be
9 delivered, the notional amount, or the principal amount of the
10 agreement. Once I would look at the eligible securities, I
11 would determine what is the cheapest to deliver.

12 MR. TAMBE: Why is that important?

13 MR. GRUER: The type of transaction, that an RFA is,
14 is one in which a guaranteed fixed rate of interest is
15 guaranteed by -- typically the dealer, to a client such as
16 Washington TSA, in exchange for having the right to deliver
17 securities on a specified scheduled date of bids. So, because
18 a dealer, like Lehman Brothers in this case, was guaranteeing a
19 fixed rate, each time it came time to deliver securities, they
20 would look at the market, and whichever securities that
21 qualified under the agreement that could be delivered, were
22 trading at the highest yield, or were the cheapest to purchase,
23 it would be in the economic interest of the dealer to deliver
24 those particular securities. So we would always look to, what
25 is the cheapest to deliver, because that was the fundamental

1 driver of the value of the agreement.

2 MR. TAMBE: And what would you do next?

3 MR. GRUER: Once I determined which curve, or which
4 set of securities is the cheapest to deliver, I would look at
5 the yield curve for those securities, and use that to develop a
6 forward curve, using industry-standard methodology and
7 practices, to generate the forward rates, over the life of the
8 agreement. And lastly, I would take those forward rates, and
9 determine the cash flows associated with those floating rates,
10 compare them to the cash flows generated by the fixed-rate
11 guarantee under the agreement, take the difference between
12 those two cash flows, and discount them to present value.

13 MR. TAMBE: Is it your understanding, that during the
14 life of this deal, from 2002 until 2009, that Lehman delivered
15 the cheapest of delivered securities, or did they do something
16 else?

17 MR. GRUER: I believe they would have delivered the
18 cheapest to deliver, but I haven't done any independent
19 confirmation, as to what they delivered, and what else -- what
20 the pricing was.

21 MR. TAMBE: Is it your understanding of the contract,
22 that Lehman always had the right to deliver the cheapest to
23 deliver?

24 MR. GRUER: Yes.

25 MR. TAMBE: Turning back to the demonstrative, you

1 said, once you identified the eligible securities, you would
2 get some market information. Is that right?

3 MR. GRUER: That's correct.

4 MR. TAMBE: What market information did you get in
5 this case?

6 MR. GRUER: In this case, if you turn to page six of
7 the slides, what I looked at is the yield curves for each class
8 of eligible securities, under the agreements. And if you
9 remember, under this agreement, there were three broad classes
10 of investment securities, that Lehman was able to deliver.
11 Broadly defined, they were Treasury securities, commercial
12 paper, that met certain criteria, and agency securities. And
13 by agency securities, we're referring to securities such as
14 Fannie Mae, Freddie Mac, Federal Home Loan Bank, those types of
15 securities. I looked at the yield curve, as of March 25, 2009,
16 for each of those securities, and on this chart here, I plot
17 out the yield for those securities for various maturities, out
18 to 30 years.

19 MR. TAMBE: And those curves, that you see on slide
20 6, also appear in your expert report. Is that correct?

21 MR. GRUER: That is correct.

22 THE COURT: Mr. Gruer, excuse me, these are forward
23 curves, not spot curves?

24 MR. GRUER: No, these are spot.

25 THE COURT: These are spot.

1 MR. GRUER: They're actually yield curves. They're
2 not actually derived from forward rates, using zero coupon
3 rates, but they're analogous to what was described previously
4 as spot.

5 THE COURT: But it says it's a yield curve, but it's
6 not a forward curve, it's a spot curve?

7 MR. GRUER: Correct.

8 THE COURT: Okay.

9 MR. TAMBE: We'll come back to spot curves and
10 forward curves. Once you've gone through your exercise of
11 working with spot curves and forward curves, calculating the
12 cash flow that you just described, what else do you do, after
13 you've done that valuation?

14 MR. GRUER: In terms of valuing the agreement, at
15 that point, once you discount those to present value, the only
16 other adjustment in this case, would be the 7.7B
17 (indiscernible).

18 MR. TAMBE: Is that what's set out in your expert
19 report, and on slide seven?

20 MR. GRUER: That's correct.

21 MR. TAMBE: So let's just set the 7.7B amount to the
22 side for the moment, and let's get back to the cash flow
23 discussion we were having.

24 MR. GRUER: Sure.

25 MR. TAMBE: When you looked at the spot curves on

1 slide six, what conclusion, if any, did you draw about, what
2 were the cheapest to deliver securities over the remaining life
3 of this contract?

4 MR. GRUER: What I concluded was that agency
5 securities were the cheapest to deliver, and just pictorially
6 or visually, if you look at that, you could see that the green
7 line is substantially higher than either the red or the blue
8 line. So those were the highest yielding securities, that were
9 eligible to be delivered.

10 MR. TAMBE: And the data that appears on page six --
11 you told us those are yield curves -- what is your
12 understanding of what that is based on?

13 MR. GRUER: Those are based on actual transactions,
14 where 30-year agency paper traded on that date, where 20-year
15 agency paper, or Treasury bills or Treasury notes, or bonds,
16 you know, traded during that time period, as of March 25, 2009.
17 So they represent actual market-clearing transactions, for each
18 of the data points, that are represented by a dot on the line.
19 And then those lines are just simply interpolated in between.

20 MR. TAMBE: Now in terms of just the size of each of
21 those markets, do you have an understanding, based on your
22 experience in the market? Could you describe the size of the
23 liquidity of those markets?

24 MR. GRUER: Very liquid -- billions, if not trillions
25 of dollars traded on that date.

1 THE COURT: Can I interrupt again? Can you connect
2 the dots for me, between the fact that the green line
3 represents the highest yields, and the conclusion that those
4 were the cheapest to deliver?

5 MR. GRUER: Sure.

6 THE COURT: The Y axis is the yield, right?

7 MR. GRUER: The Y axis is the yield.

8 THE COURT: And that's what you're focusing me on,
9 right?

10 MR. GRUER: And the X axis, correct.

11 THE COURT: So connect those two dots, if you would.

12 MR. GRUER: Sure. If I look at those over virtually
13 all data points, except for the very short end of the curve,
14 the agency securities for the same maturity, yield higher --

15 THE COURT: Right.

16 MR. GRUER: -- than either swapped commercial paper
17 or Treasury securities.

18 THE COURT: I understand that. And what makes that
19 fact, equal, that they are the cheapest to deliver?

20 MR. GRUER: Oh, because they're the highest yielding.
21 One is the converse of the other. The highest yielding and the
22 cheapest --

23 THE COURT: Okay, that's what I wanted --

24 MR. GRUER: is sort of the inverse -- I'm sorry.

25 THE COURT: -- to hear in your words.

1 MR. GRUER: Yeah.

2 THE COURT: Okay. So the highest yielding are the
3 cheapest cost.

4 MR. GRUER: Correct.

5 MR. TAMBE: Now let's move up to cash flow analysis.
6 Because you start with those types of curves, and you move
7 forward. Let's go to slide eight, because I think you now
8 start talking about in your report, about Schwab Financial's
9 valuation, correct?

10 MR. GRUER: Sure.

11 MR. TAMBE: The valuation methodology you described -
12 - the various steps you follow, are the steps different -- the
13 ones you described, different from the ones followed by Schwab
14 Financial?

15 MR. GRUER: Initially, they're the same, and then we
16 differ significantly.

17 MR. TAMBE: What is your understanding of the
18 building blocks of the Schwab Financial Group's analysis?

19 MR. GRUER: Well, from reading the report written by
20 Schwab Financial, they take a similar approach to the one that
21 I took, and that is, they use the concept of forward rates and
22 determine the floating rate cash flows, compare those against
23 the fixed leg, and discount those to present value. They use
24 different assumptions, and they also believe that commercial
25 paper was the cheapest to deliver; whereas, I believe agency

1 securities were the cheapest to deliver. Where we differ more
2 significantly, is that they then took another step, and that
3 is, they adjusted their floating leg by other charges,
4 including a credit charge, which is beyond orders of magnitude
5 beyond anything that I've seen for these types of agreements,
6 or other types of agreements, over the course of my career.

7 MR. TAMBE: One of the things you talk about in your
8 expert report, and we'll skip forward a little bit in the
9 slides and come back, is you try to isolate the effect of the
10 credit charge, from other parts of the calculation. Do you
11 recall that?

12 MR. GRUER: Yes, I did. And in fact, I demonstrate
13 that, I believe it is on slide 11, and then going into slide
14 12.

15 MR. TAMBE: Let's start with slide 11. Why don't you
16 explain how you reached the conclusions that you reached on
17 slides 11 and 12 in your expert report.

18 MR. GRUER: Sure. Just backing up a little bit, one
19 of the first things I did, after reading Schwab Financial's
20 report, is I attempted to replicate their calculations, without
21 opining on any of their assumptions or opinions, just to see if
22 I could simply verify it mathematically and computationally.
23 And I was able to. And what that did, is that gave me comfort
24 that I understood the approach that they took. And so using
25 their LIBOR plus 66.6 basis points, spread assumption, I was

1 able to get within a very close and comfortable band of
2 valuation, that they came up with. But when they then
3 attempted to make an adjustment for a hypothetical credit
4 charge, that the dealer would charge, that's where I was no
5 longer able to either agree with or replicate their
6 calculation. Calculating their credit charge, is a multi-part
7 analysis, separate, and in addition to the valuation. And they
8 took only one of the components that is used in that valuation,
9 or in that calculation, I should say. And then it took it and
10 applied it erroneously.

11 MR. TAMBE: And what's that component? The one
12 component they used, and in your opinion, applied --

13 MR. GRUER: They used the bond spread. They compared
14 where Washington TSA's bonds traded on March 25, 2009, against
15 a municipal benchmark index, and came up with a credit spread
16 of 429 basis points. Rather than using that 429 basis points
17 as one of the components, that goes into calculating a credit
18 charge, they just simply shifted the yield curve downward by
19 429 basis points, resulting in negative rates, virtually over
20 the entire life of the transaction, and again, inconsistent
21 with how any practitioner in the industry would calculate a
22 credit charge, using that same 429 basis points, and using that
23 same LIBOR plus 66 valuation methodology.

24 MR. TAMBE: And did you -- using the same LIBOR, plus
25 66 basis point methodology, and using the same bond spread,

1 exactly the same bond spread, as Schwab Financial Group, did
2 you conduct a credit charge analysis, the way you had always
3 done in the industry?

4 MR. GRUER: I did, and again, without endorsing any
5 of Schwab Financial's assumptions, but just simply using them
6 as a mathematical exercise, and only adjusting the methodology
7 for calculating the credit charge, I calculated a credit charge
8 of approximately \$1.3 million, or roughly 17 basis points
9 running, which compared to their credit charge of 429 basis
10 points running, or \$32.4 million present value. That \$32.4
11 million credit charge, represents virtually the entirety, or
12 approximately 85 percent of the valuation that they calculated.

13 MR. TAMBE: And have you shown that graphically on
14 slide 13?

15 MR. GRUER: Yeah, on slide 12, I lay out all the
16 components that go into the pricing in a tabular form. And as
17 you can see, I try to match all the calculations. The first
18 column and the second column are identical, by design, with the
19 credit charge adjustment, being the only one that's different.
20 The one on the right, being the methodology that is industry
21 standard. And the methodology on the left, being the
22 methodology applied by Schwab Financial. So the \$38 million
23 claim, if the proper credit charge was used, would be reduced
24 to \$7.4 million. And then on page 13, it's the exact same
25 data, but just showing pictorially, whereas the box on the

1 left, the area colored with red, represents Schwab Financial's
2 credit charge. And you can see there, how disproportionate it
3 is to the overall value of the transaction. And the box on the
4 right, shows the adjusted calculation.

5 MR. TAMBE: You've mentioned industry standard
6 methodology a couple of times. What methodology or tool did
7 you use to calculate the credit charge? Again, starting with
8 Schwab Financial's assumptions.

9 MR. GRUER: Sure. Using Schwab Financial's
10 assumptions, with respect to principal amount, tenor amount,
11 spread to LIBOR for the floating leg, I created a hypothetical
12 swap in Bloomberg, using Bloomberg's swap analytics. And
13 within Bloomberg's swap analytics, there's a function called
14 CVA, which mirrors the same type of calculations that dealers
15 do on the desks, day in and day out, and calculated a roughly
16 \$1.2 million credit charge, using their 429 basis point credit
17 spread.

18 MR. TAMBE: Do you understand, that in the Schwab
19 Financial Group's report, the 429 basis point spread, is the
20 spread that's used by them to describe the credit risk of the
21 Washington TSA. Is that your understanding?

22 MR. GRUER: That is my understanding.

23 MR. TAMBE: Did you accept that, as one of the inputs
24 into the model that you ran?

25 MR. GRUER: Yes, I used that as an input,

1 representing that it's not a credit charge for the RFA, but
2 simply, you know, one of the components -- the bond credit
3 risk.

4 MR. TAMBE: So why is your number so different, if
5 you start with all of their assumptions and use their bond
6 spread?

7 MR. GRUER: Let me back up a little bit, and describe
8 what a credit charge typically is. When a dealer, such as
9 Lehman, or anyone else, active in the market, enters into a
10 transaction, what they're concerned about is, their
11 counterparty not being able to perform under the obligation.
12 At the same time, the markets, after a transaction is executed,
13 is going to fluctuate. So at some points in time, the
14 agreement may be in the money, and at other points in time, the
15 agreement may be out of the money. If a client's inability to
16 perform under the agreement, coincides with the time in which
17 the agreement is out of the money to the dealer, that
18 represents a credit loss to the dealer. And so what they will
19 typically do is set what they call a credit charge, which
20 typically in the municipal space, represents a reserve, that
21 may be paid away to another area within the bank. But from the
22 dealer's perspective, who is actually putting on the trade,
23 represent real dollars, out of the transaction to protect
24 themselves against that potential outcome.

25 MR. TAMBE: And you used something called the

1 Bloomberg -- you used a Bloomberg calculator. Is that right?

2 MR. GRUER: That's correct.

3 MR. TAMBE: And you have an understanding of how that
4 works. Correct?

5 MR. GRUER: That's correct. I used a similar
6 methodology to the one that Bloomberg uses, during my time
7 period at J.P. Morgan, and all the various entities, as well as
8 at Deutsche Bank. While at Deutsche Bank, I wasn't trading in
9 (indiscernible). It was the same methodology that was used for
10 calculating credit charges for interest-rate swaps.

11 THE COURT: Can I just stop and ask a question? Does
12 the credit charge that you're applying, does that take account
13 of the particular aspects of this tobacco risk, meaning that
14 there might be a mandatory cleanup call, as well as, what I'll
15 call the general tobacco credit risk? I might not have asked
16 that exactly right.

17 MR. GRUER: It definitely factors in the tobacco
18 credit risk into that. It does not factor in the cleanup call.
19 And quite frankly, in 2009, given where these bonds were
20 trading, they were trading at yields in excess of ten percent
21 in a relatively low muni interest-rate environment. Based on
22 that, I don't believe there was any market concern, that there
23 would be a cleanup call. If you recall, the cleanup call, was
24 a situation, in which, if tobacco revenues came in much faster
25 than projected, there might be excess monies to redeem all the

1 bonds, and then clean everything up. Based on the credit
2 spread of 400 plus basis points, I don't think that there was a
3 large scale -- a wide belief, that there would be excess cash
4 flows coming in.

5 THE COURT: Thank you.

6 MR. TAMBE: If you could just describe that
7 connection. Why do you equate the higher interest rate and
8 tobacco bonds, with the conclusion, that there's less revenues
9 coming in?

10 MR. GRUER: Because the 429 basis point credit
11 spread, was a relatively wide credit spread. And the market
12 implies a fairly high probability of default. A bond that is
13 probably not going to make it to final maturity

14 MR. TAMBE: And there's a likelihood of default,
15 because -- for what reason would there be a default?

16 MR. GRUER: Because tobacco revenues would come in
17 slower than projected. If you remember, the fundamental credit
18 of the underlying bond related, is just simply a strip of the
19 TSA cash flows.

20 MR. TAMBE: Now in the work you did, in reviewing the
21 Schwab Financial Group's report, did you find any schedule of
22 cash flows, that the Schwab Financial Group itself had
23 prepared?

24 MR. GRUER: No, I did not.

25 MR. TAMBE: Let's go back for a moment to slide 12.

1 Just for the sake of clarity, let's just walk through those
2 items. Item number one, mid-market -- you have the same number
3 in both. What assumptions of Schwab Financial Group, if any,
4 are you accepting in that line?

5 MR. GRUER: The methodology, that they use the
6 forward curve to generate the floating rate and then discount
7 to present value, using the LIBOR curve, I accept. The LIBOR
8 plus 66 basis point spread, I do not, but again, for purposes
9 of just simply computational verification, I used it as is.

10 MR. TAMBE: And you accept -- skipping to the line,
11 the section 7.7B amount -- do you see that?

12 MR. GRUER: Yep.

13 MR. TAMBE: Now you accept it for purposes of this
14 chart. Do you accept it as part of your opinion?

15 MR. GRUER: I do not.

16 MR. TAMBE: You have a recent opinion, after the 7.7B
17 amount that's different than the Schwab Financial Group amount.
18 Correct?

19 MR. GRUER: That's correct.

20 MR. TAMBE: There's a dealer profit charge of 1.8
21 million roughly. Do you see that?

22 MR. GRUER: I do.

23 MR. TAMBE: And again, for purposes of this analysis,
24 you accept that. Correct?

25 MR. GRUER: Correct.

1 MR. TAMBE: Let's now go and pick up the 7.7B issue.
2 Okay? Your opinion in your report is, there should be a
3 different 7.7B, correct?

4 MR. GRUER: That's correct.

5 MR. TAMBE: And turning to slide 7, could you walk
6 the Court through how you did your analysis, and what
7 conclusion you reached?

8 MR. GRUER: Sure. Under the agreement, if Lehman
9 Brothers fails to deliver securities, there are very clearly
10 defined steps that must be taken. And so my analysis just
11 assumes that those steps were taken. Specifically, it says
12 that, if on December 1, 2008, Lehman Brothers did not deliver
13 securities, then the trustee was directed to invest those in
14 overnight securities, for the first five business days, or
15 first week. So what I did is, I assumed that that \$45 million
16 of principal amount, would be invested from December 1st to
17 December 8th, roughly one week. And that it would earn the fed
18 funds rate. And I used the fed funds rate as a proxy for
19 overnight securities or overnight liquidity, and at the 27.3
20 basis points for that week, \$2,400 odd dollars of interest,
21 would have been earned. If by the fifth business day, or
22 December 8, 2008, Lehman Brothers does not remedy the failure
23 to deliver, then the trustee is instructed to purchase eligible
24 securities with the longest maturity date, but not beyond the
25 next scheduled payment date. In this case, the next scheduled

1 payment date was June 1, 2009. So I assumed that, they would
2 have invested from December 8th to June 1, 2009, so a period of
3 one week short of six months in eligible securities. And I
4 went back and looked at asset-backed commercial paper; and
5 specifically, I looked at the Bloomberg asset-backed commercial
6 paper index, which appeared to meet the definition of eligible
7 securities. And at that time, roughly on December 8th, that
8 index was yielding 3.085 percent. So it was not unreasonable
9 to believe that on December 8th, they could have purchased six-
10 month commercial paper -- asset-backed commercial paper,
11 yielding 3.085 percent. Looking at the earnings at that rate,
12 but only looking at the earnings until March 25th, not all the
13 way out to June 1st, I calculated additional earnings of
14 417,000 and change, for total earnings of \$419,932. Had Lehman
15 not failed to deliver the securities, TSA would have earned
16 4.484 percent, or \$646,000 of interest earnings. So the
17 difference between those two numbers -- the 419 and the 646,
18 represents an additional loss to TSA of \$226,000.

19 MR. TAMBE: At the top of the box, the
20 (indiscernible) seven-day entry, where you have a rate of 3.085
21 percent, that's not in fact what the TSA did. Correct?

22 MR. GRUER: No.

23 MR. TAMBE: But that's something you believe they
24 could have done.

25 MR. GRUER: I believe they could have done. I

1 understand that they did something very different.

2 MR. TAMBE: And the proxy used for commercial paper,
3 was commercial paper index. Correct?

4 MR. GRUER: The asset-backed commercial paper index
5 that Bloomberg publishes.

6 MR. TAMBE: Is that an index, that the TSA could have
7 invested in?

8 MR. GRUER: The index, no, but the types of
9 securities that comprise that index, yes. (Indiscernible)
10 highest rated asset-backed commercial paper, and it has the
11 plus that was required.

12 MR. TAMBE: Turning from the Schwab Financial Group
13 report, to the Curry, Hasterok report, what is your criticism
14 of their methodology -- the replacement yield methodology?

15 MR. GRUER: Well, in essence, they completely
16 rejected what's standard practice in the industry and in
17 markets. And they took a look at the time period from December
18 1, 2008, to March 25, 2009, and looked at TSA's actual
19 earnings. And again, if I recall correctly, TSA's investment
20 during that time period was in a money market fund. So TSA
21 didn't, at least from my perspective, didn't even appear to
22 maximize yield. They just decided that they wanted overnight
23 liquidity, period. And they looked at the time period, until
24 March 25th, and then calculated that TSA earned 65 basis
25 points. So they just simply said, well let's assume that for

1 the next 23 years.

2 MR. TAMBE: Did you see any analysis in the Curry and
3 Hasterok report, that the 65 basis point number would actually
4 vary over those 23 years?

5 MR. GRUER: No, I did not.

6 MR. TAMBE: Did you see any such assumption or
7 modeling in their spreadsheets?

8 MR. GRUER: No.

9 MR. TAMBE: So they assumed, for purposes of their
10 calculations, that it would just be 65 basis points all the
11 way?

12 MR. LAWRENCE: Again, I would object as leading.

13 THE COURT: Okay, ask it in a non-leading way,
14 please.

15 MR. TAMBE: Yeah. So, is it your understanding, Mr.
16 Gruer, that in their work papers--what is your understanding,
17 Mr. Gruer, of what assumption, if any, Mr. Curry and Mr.
18 Hasterok made with respect to the 65 basis point rate in their
19 work papers?

20 MR. GRUER: Well, when I looked at the spreadsheets
21 that they provided, that 65 basis points was constant
22 throughout the 23 year life of the agreement. I didn't see any
23 variability in it, nor did I see any discussion of how there
24 could be some variability around that number.

25 MR. TAMBE: Pull up (indiscernible) Index 43, please.

1 It's not in the book, your Honor. It's on the Excel
2 Spreadsheets.

3 THE COURT: Okay.

4 MR. TAMBE: And if you could on the viewer to 100
5 percent and tab over on Exhibit 43. You can just scroll over.
6 Or Steve Mullaney can help you get there. All right, stop right
7 there. If you look at Column L, sir, do you see that on the
8 screen?

9 MR. GRUER: Yes.

10 MR. TAMBE: Let's move over. Sorry. Replacement Rate,
11 Column I. Do you see that column, sir?

12 MR. GRUER: Yes, I do.

13 MR. TAMBE: And can you tell the court what numbers
14 you see in that column starting on Line 19 all the way down to
15 the end of that column?

16 MR. GRUER: What's on the screen, I see 65 basis
17 points...

18 MR. TAMBE: And the screen is now being scrolled.

19 MR. GRUER: Okay.

20 MR. TAMBE: Now we're at the bottom of that column.
21 Do you see that?

22 MR. GRUER: Yes.

23 MR. TAMBE: Do you see any number other than 65 basis
24 points in the Replacement Rate column, sir?

25 MR. GRUER: I don't see anything yet. I think there's

1 a lag. But no, I don't.

2 MR. TAMBE: And that's not your spreadsheet, sir,
3 that's Mr... Whose spreadsheet is that?

4 MR. GRUER: That's Curry and Hasterok's.

5 MR. TAMBE: You described a few minutes ago that it's
6 your understanding from the Curry and Hasterok report that
7 looked at an average over a period of time four months to
8 calculate that 65 basis points, is that right?

9 MR. GRUER: That's correct.

10 MR. TAMBE: Did you analyze--do you have any view as
11 a participant in the market the trades and values for purchase
12 agreements--whether that's an accepted methodology for
13 determining rates in the future?

14 MR. GRUER: It's not and it's completely inconsistent
15 with market practice conventions and standards.

16 MR. TAMBE: Is that a type of analysis that you have
17 ever done to price or trade any FPAs?

18 MR. GRUER: No.

19 MR. TAMBE: Are you aware of anyone in any of the
20 banks that you work with that you're aware of having done that?

21 MR. GRUER: No, I'm not.

22 MR. TAMBE: Did you know Mr. Curry and Mr. Hasterok
23 in the market?

24 MR. GRUER: I knew Mr. Hasterok. Mr. Curry I believe
25 I met once or twice many, many years ago.

1 MR. TAMBE: And in your dealings with Mr. Hasterok
2 did you ever have Mr. Hasterok tell you "This is the way I'm
3 pricing core purchase agreements?

4 MR. GRUER: No, he did not.

5 MR. TAMBE: While we're on that topic in the market,
6 Mr. Casey Rogers, do you know that name?

7 MR. GRUER: I do.

8 MR. TAMBE: How do you know that name?

9 MR. GRUER: He runs the Municipal Derivatives desk at
10 Wells Fargo and I deal with him from time to time over the
11 course of (indiscernible) on behalf of my clients.

12 MR. TAMBE: And at the time in question was Mr.
13 Rogers at Wachovia?

14 MR. GRUER: Yes.

15 MR. TAMBE: You've seen materials in discovery in
16 this case, including an email from Mr. Rogers, correct?

17 MR. GRUER: That's correct.

18 MR. TAMBE: And you understood that communication to
19 be an indicative quote from Wachovia sent by Mr. Rogers,
20 correct?

21 MR. GRUER: Correct.

22 MR. TAMBE: And that places a value on the
23 transaction of a certain amount, correct?

24 MR. GRUER: Correct.

25 MR. TAMBE: Do you have an understanding of the

1 methodology used by Wachovia in the FPA market?

2 MR. GRUER: Yes, I do.

3 MR. TAMBE: What is that understanding?

4 MR. GRUER: It's very consistent with the methodology
5 that I use.

6 MR. LAWRENCE: Excuse me.

7 THE COURT: Yes, Mr. Lawrence?

8 MR. LAWRENCE: I think he's gotten more foundation
9 relative to this particular period, March 2009, as to the
10 foundation, as to--

11 THE COURT: Okay, that's fair.

12 MR. TAMBE: Putting aside the period--I'll narrow
13 down the period. Generally, over any period of time do you have
14 an understanding of the Wachovia methodology or Wells Fargo
15 methodology?

16 MR. GRUER: Yes, I do.

17 MR. TAMBE: And over what period of time do you have
18 that knowledge?

19 MR. GRUER: During the course of my employee's
20 engagements at Citiview. So, I don't know that in March 25,
21 2009 or prior to that I had dealings with Casey--with Rogers
22 with respect to FPAs but during the time period thereafter
23 through today I continue to interact with him or his staff.

24 MR. TAMBE: Both (indiscernible)?

25 MR. GRUER: Yes.

1 MR. TAMBE: And what is your understanding of what
2 the methodology is?

3 THE COURT: Yes?

4 MR. LAWRENCE: Object. It's calling for speculation
5 and also hearsay to the extent he's trying to prove what, in
6 fact, that indicative values--this witness has never seen or
7 identified--

8 THE COURT: Well, I think that I partially agree with
9 you but partially do not. Since this is about what's standard
10 practice--and each of the gentlemen who has spoken is talking
11 about their view of what--the way it's done in the market. So
12 to the extent that each of them has an understanding of the way
13 some other market participant conducts his or her business, I
14 think it comes into that extent, okay?

15 MR. TAMBE: So, what is your understanding in the
16 time period you've identified of Wachovia's approach to valuing
17 these types of FPAs?

18 MR. GRUER: My understanding, and this is based on
19 specific dialogue and actually, frankly, asking him
20 specifically that they not only use forward curves for
21 generating the values of the FPAs there but also that they use
22 agency security constructed curves for agency deliverable FPAs.

23 MR. LAWRENCE: I'm going to move to strike for two
24 reasons.

25 THE COURT: All right. Yes, one is that it's a

1 recitation of what he was told.

2 MR. LAWRENCE: Right. (indiscernible) something not
3 disclosed (indiscernible)...nor in a deposition.

4 THE COURT: All right, I think that's fair. Let's
5 move on.

6 MR. TAMBE: Did you in your practice ever use
7 agencies to price or trade FPAs?

8 MR. GRUER: Yes, I have.

9 MR. TAMBE: Could you describe that for the Court?

10 MR. GRUER: Over the course of my career at J.P.
11 Morgan I use securities-based yield curves to generate forward
12 rates.

13 MR. TAMBE: And were any of the securities that you
14 used to generate those forward rates agency securities?

15 MR. GRUER: They were combinations of agencies and/or
16 treasuries.

17 MR. TAMBE: Did you enter into any transactions
18 involving the delivery of agency securities?

19 MR. GRUER: Yes.

20 MR. TAMBE: Were you able to hedge J.P. Morgan's or
21 your employer's risk with respect to those commitments?

22 MR. GRUER: I personally was not involved in the
23 hedging of it. That was done by some of my colleagues. But I
24 have no reason to believe that they didn't hedge and hedge
25 appropriately.

1 MR. LAWRENCE: I move to strike. Once he says he
2 doesn't know, anything after that.

3 THE COURT: Sustained.

4 MR. TAMBE: Is it your understanding that J.P. Morgan
5 like other dealers routinely hedged its positions?

6 MR. GRUER: Yes.

7 MR. TAMBE: Would you have expected them, being there
8 for 12 years, to have hedged this risk?

9 MR. LAWRENCE: Same thing. Same...

10 THE COURT: No, I think you've got to give him--now,
11 Mr. Lawrence, I think you have to give him a little latitude. I
12 mean, we have someone like the others who have vast experience
13 in the markets. So general statements of understanding I think
14 are fair.

15 MR. TAMBE: Could you just read back my last
16 question?

17 CLERK: (indiscernible)

18 MR. GRUER: Yes, I would have.

19 MR. TAMBE: Going back to the Curry Hasterok report,
20 did you examine longer historical periods than Mr. Curry and
21 Mr. Hasterok have?

22 MR. GRUER: Yes, I did.

23 MR. TAMBE: Okay. And with respect to what
24 instruments did you do that?

25 MR. GRUER: I did it both with respect to the actual

1 commercial paper that TSA purchased as well as treasury bills.
2 And I did it not so much to say that the three-month window
3 that Mr. Curry and Hasterok used was wrong and that a different
4 window was the right window to use--but more so just to point
5 out that by arbitrarily picking a window, you can skew the
6 analysis to obtain virtually any result you want.

7 MR. TAMBE: And do you show some of that in your
8 demonstratives?

9 MR. GRUER: I do. I think it's Slide 15.

10 MR. TAMBE: Can you describe--is this an analysis
11 that appears in your report?

12 MR. GRUER: Yes, it is.

13 MR. TAMBE: Can you describe for the Court what this
14 is?

15 MR. GRUER: Sure. What I did is--I would've liked to
16 have gone back 23 years over the life of the agreement for
17 First American Prime Obligation historic returns but--

18 MR. TAMBE: Why that? Why are you looking at First
19 American Prime Obligations?

20 MR. GRUER: Oh, because that's the actual security
21 that--or money market fund that they purchased.

22 MR. TAMBE: Okay, and what did you do with that?

23 MR. GRUER: I looked at the data for as far back as I
24 was able to obtain data--and this was obtained through
25 Bloomberg--and plotted it going back to January of 1996. So, a

1 time period of, roughly, 13 years. And during that time period
2 it averaged, approximately, 3-1/2 percent as shown by the red
3 line and there were time periods in which it was yielding in
4 excess of 6 and time periods where it was yielding
5 significantly below 1 percent, primarily to the bottom right
6 corner. It is the bottom right corner of that graph that Mr.
7 Curry and Mr. Hasterok chose to project forward--but just
8 showing that if you looked at a different time window, you
9 could've had a time period where you averaged in excess of 6
10 percent or a time period of 3-1/2 percent or really any number
11 that you wanted. You could pick a time window that was here.

12 MR. TAMBE: Is that how in your experience the market
13 values (indiscernible) obligations?

14 MR. GRUER: No, not at all. Not at all. They value it
15 using forward curves.

16 MR. TAMBE: You also did a similar analysis in your
17 expert report, Exhibit 139, with respect to treasury bills.
18 Could you describe that?

19 MR. GRUER: I'm just trying to find that graph. I did
20 a similar analysis for treasury bills, for six-month treasury
21 bills, which clearly were a permitted investment. I remember
22 the First American Prime Obligation wasn't a permitted
23 investment under the RFA, but six-month treasury bills were.
24 And for that also I was able to get 23 years' worth of
25 historical data.

1 MR. TAMBE: Is there a particular paragraph in your
2 report that you're--

3 MR. GRUER: I'm looking at Paragraph 93 in my report.
4 I'm sorry?

5 MR. TAMBE: 93?

6 MR. GRUER: 93.

7 MR. TAMBE: And if you just describe what data you
8 looked at and what conclusions you drew?

9 MR. GRUER: I used a six--looked at the six-month
10 treasury bill index published by Bloomberg and I used that for
11 the 23-year period going backwards from March 25, 2009. And
12 during that 23-year window, T-bills averaged 4.66 percent. So,
13 again, not endorsing the Curry Hasterok methodology but just
14 simply demonstrating that by arbitrarily picking a window you
15 can really cherry-pick any result you'd like.

16 MR. TAMBE: (indiscernible) You talked a few minutes
17 ago about Mr. Casey Rogers. Do you remember that?

18 MR. GRUER: Yes, I do.

19 MR. TAMBE: In your dealings in the market did you
20 ever come across Mr. Shapiro?

21 MR. GRUER: Quite a bit.

22 MR. TAMBE: Okay. Can you describe your dealings with
23 Mr. Shapiro?

24 MR. GRUER: Sure. Generally I was sitting on opposite
25 sides of the table with Mr. Shapiro. Most of my dealings were

1 when I was either at J.P. Morgan or Deutsche Bank on the swaps
2 or derivatives desk and he was as an advisor to some of our
3 counterparties and clients.

4 MR. TAMBE: And in your transactions where Mr.
5 Shapiro was sitting across the table from you, did any of those
6 involve credit charges imposed by the dealer that you were
7 working for?

8 MR. GRUER: Oh, absolutely, absolutely.

9 MR. TAMBE: And did you recall any interactions with
10 Mr. Shapiro about credit charges in those settings?

11 MR. GRUER: Yes.

12 MR. TAMBE: And what do you recall?

13 MR. GRUER: Well, I would suggest a credit charge.
14 Generally, we would make sure we tied out on midmarket for
15 whatever the relevant transaction is and we would then, for
16 lack of a better way of putting it, haggle over the adjustments
17 to mid. And one of those components was profit, one of those
18 components was hedging cost, one of those components was credit
19 charge.

20 MR. TAMBE: And did Mr. Shapiro in any of those
21 settings suggest to you that you should simply take his
22 client's bond risk and include it as a deduction against the
23 transaction?

24 MR. GRUER: I wish he did. I would've made a whole
25 lot more money for my firm if he did that.

1 MR. TAMBE: No further questions...

2 THE COURT: Okay. All right, we're getting towards
3 the end. So let's take another very short break. Mr. Gruer, you
4 remain under oath. Please do not speak to anybody about your
5 testimony or be in anyone's presence while they're talking
6 about your testimony or the case.

7 MR. GRUER: Okay.

8 THE COURT: We'll resume in about nine minutes. How
9 long do you think you have?

10 MR. LAWRENCE: A half hour, 45 minutes.

11 THE COURT: Okay. All right.

12 MR. LAWRENCE: Of course, remember your...

13 THE COURT: Remember my what?

14 MR. LAWRENCE: Your words about lawyers.

15 THE COURT: Yes, exactly right.

16 MR. LAWRENCE: (indiscernible)

17 THE COURT: Yes, please do. All right, here we go,
18 home stretch.

19 MR. LAWRENCE: Absolutely.

20 THE COURT: I hope your clients are buying you a nice
21 dinner tonight.

22 MR. LAWRENCE: They're a public entity, they can't do
23 that.

24 THE COURT: That's right. Then you should buy them a
25 nice dinner.

1 MR. LAWRENCE: And they can't accept that either.

2 THE COURT: I should know that because people get
3 very upset with me because I don't accept even a cup of coffee.
4 You're quite right. Well, I hope you all have dinner together.

5 MR. LAWRENCE: We will have a nice dinner together
6 with our own bills, yes.

7 THE COURT: Separate checks.

8 MR. LAWRENCE: Yes. Good afternoon, Mr. Gruer.

9 MR. GRUER: Good afternoon.

10 MR. LAWRENCE: First, I would like to start with your
11 expert report which is debtor's Exhibit 138. Do you have that?
12 You can see (indiscernible). Either way, whatever is easiest
13 for you.

14 MR. GRUER: Okay.

15 MR. LAWRENCE: You indicated that--in terms of the
16 scope of the analysis performed, you stated in your report that
17 you'd been asked by Jones Day to value the reserve fund between
18 Washington CSA, Lehman and U.S. Bank using in your experience
19 industry standard valuation methodology. Do you see that?

20 MR. GRUER: Yes, I do.

21 MR. LAWRENCE: Does that accurately describe what
22 Jones Day told you to do?

23 MR. GRUER: I believe it does, yes.

24 MR. LAWRENCE: Okay. Now, we talked a little bit
25 about your expertise, Obviously Mr. Tambe went through a lot of

1 your experience and especially with forward purchase
2 agreements, but you don't have any particular expertise in
3 tobacco RFAs, correct?

4 MR. GRUER: That's correct.

5 MR. LAWRENCE: And in your expert report you indicate
6 in Paragraph 9 that you estimate that you'd been involved to
7 date in derivate and bond transactions totaling, sorry, more
8 than \$30 billion, correct?

9 MR. GRUER: Yes.

10 MR. LAWRENCE: And zero dollars of that is related to
11 tobacco RFAs, correct?

12 MR. GRUER: I believe that to be correct.

13 MR. LAWRENCE: Okay. And if we could go to Page 3 of
14 the demonstrative. Now, what you did, you said is a midmarket
15 valuation of the RFA, correct?

16 MR. GRUER: A valuation. I believe mid to be
17 consistent with the valuation. Other adjustments may or may not
18 be appropriate, but that's not what I was asked to opine upon.

19 MR. LAWRENCE: Just so we understand the playing
20 field, when we talk about a midmarket valuation, that's simply
21 looking at the deliverable aspect of the trade, right? Whether
22 it's CP or agencies, the deliverable aspect of the trade?

23 MR. GRUER: Correct.

24 MR. LAWRENCE: And when you said you weren't asked
25 originally to opine about other charges, those would be like,

1 the tobacco--sorry, the credit charges, profits, hedging costs,
2 anything else, correct?

3 MR. GRUER: That's correct.

4 MR. LAWRENCE: And certainly in your experience in
5 terms of the pricing of forward purchase agreements, in your
6 experience, all of those get priced by looking starting with
7 the midmarket valuation and then making adjustments based on
8 credit charges, a profit--because the dealers want to earn a
9 profit, and then covering their costs such as broker fees and
10 hedging costs?

11 MR. GRUER: Can you repeat the question?

12 MR. LAWRENCE: I'm saying in your experience in the
13 market in terms of pricing of an RFA and one that would...
14 Let's talk about reserve fund RFAs, okay? That's as close as we
15 can get to a tobacco RFA, right? You have some experience with
16 reserve fund RFAs?

17 MR. GRUER: Yes, quite a bit.

18 MR. LAWRENCE: Okay. So in pricing reserve fund RFAs
19 on a bid basis, typically a dealer would start with a midmarket
20 valuation looking at the eligible securities that they could
21 deliver under the bid package and then make adjustments for
22 credit, for their costs they would have to incur in entering
23 into the transaction, like broker fees, costs of hedging and,
24 of course, they would like to make a profit. Is that fair?

25 MR. GRUER: Yes.

1 MR. LAWRENCE: But you weren't asked to do that. You
2 were asked to just look at that first part, the midmarket
3 valuation based on the eligible securities and the RFA,
4 correct?

5 MR. GRUER: Correct.

6 MR. LAWRENCE: Okay. And just so I understand, you
7 haven't gone into the RFA definition of termination amount?
8 You've seen that I take it?

9 MR. GRUER: Yes, I have.

10 MR. LAWRENCE: Okay. And you see that in terms of the
11 definition of termination amount, it's defined as a calculation
12 of the burdened party. And you understand that TSA is the
13 burdened party here, is that right?

14 MR. GRUER: Under the definition of termination
15 amount, yes.

16 MR. LAWRENCE: Yes. And the definition requires a
17 determination of TSA's total losses or gains. Do you understand
18 that?

19 MR. GRUER: Yes, I do.

20 MR. LAWRENCE: Okay. But you didn't try to calculate
21 TSA's total losses and gains, correct? Or gains, correct?

22 MR. GRUER: No, I attempted to determine the market
23 value of the transaction.

24 MR. LAWRENCE: Using a midmarket valuation as asked
25 by Jones Day?

1 MR. GRUER: Correct.

2 MR. LAWRENCE: So you're not in any way trying to
3 tell us what TSA's actual losses are, right?

4 MR. GRUER: The actual losses or gains--no, I'm not.

5 MR. LAWRENCE: Now, you agree that there was no
6 market for new reserve funds agreement--or let me use your
7 words. You agree that the market for new reserve fund
8 agreements was inactive around the rejection date?

9 MR. GRUER: By inactive, I define that as not a lot
10 of transactions taking place. That doesn't necessarily mean
11 that there were dealers unwilling to make markets and to
12 execute.

13 MR. LAWRENCE: You did say in your report in
14 Paragraph 39--just so we're clear--that the market for new
15 reserve fund agreements was inactive around the rejection date,
16 correct?

17 MR. GRUER: Yes, I did say that.

18 MR. LAWRENCE: That's your opinion. You adopted it
19 today in court--the entirety of your report, yes?

20 MR. GRUER: Yes.

21 MR. LAWRENCE: But you think that has no relevance to
22 the valuation analysis that you did?

23 MR. GRUER: Correct.

24 MR. LAWRENCE: Now, there was some discussion about a
25 quote from Wachovia. Remember that discussion with Mr. Tambe?

1 MR. GRUER: I do.

2 MR. LAWRENCE: And, in fact, you referenced the
3 Wachovia indicative quote in your report, correct?

4 MR. GRUER: Correct.

5 MR. LAWRENCE: Now, you've never seen that quote, is
6 that right?

7 MR. GRUER: I've seen it.

8 MR. LAWRENCE: You have seen it since the deposition
9 was taken?

10 MR. GRUER: Yes.

11 MR. LAWRENCE: Okay. You hadn't as of the time your
12 deposition was taken, correct?

13 MR. GRUER: I don't recall exactly when I saw it
14 first but...

15 MR. LAWRENCE: And you hadn't at the time your expert
16 report was written, right?

17 MR. GRUER: I was aware that it existed.

18 MR. LAWRENCE: But not having reviewed it
19 specifically?

20 MR. GRUER: I don't know that I actually reviewed the
21 specific language of it.

22 MR. LAWRENCE: So, an indicative quote, as you
23 understand in the market, is not an actionable quote, is that
24 fair?

25 MR. GRUER: Correct.

1 MR. LAWRENCE: So, if TSA got an indicative quote
2 from Wachovia, that doesn't mean that TSA could enter into a
3 deal with Wachovia. It doesn't tell us that one way or the
4 other?

5 MR. GRUER: I agree, one way or the other.

6 MR. LAWRENCE: Okay. And you said the quote--if I
7 remember correctly, you didn't know what Wachovia's practices
8 were in March of 2009 but you know their practices subsequent?
9 Is that a fair summary of what you told Mr. Tambe?

10 MR. GRUER: Yes.

11 MR. LAWRENCE: And you said--

12 MR. GRUER: I don't know the exact dates but--yes.

13 MR. LAWRENCE: Some time subsequent. And you
14 indicated that in your experience, Wachovia gave midmarket
15 value quotes, right? Indicative quotes, sorry. I'm sorry.

16 MR. GRUER: That's my understanding, yes.

17 MR. LAWRENCE: Yeah. So, based on that experience,
18 you would've expected that Wachovia gave a midmarket quote to
19 Lehman, one that's referenced in your report. That that
20 would've been a midmarket indicative valuation?

21 MR. GRUER: No. No. It wasn't clear whether it
22 represented a midmarket or a hypothetical dealing level.

23 MR. LAWRENCE: Okay. So all we know is that their
24 practice, as you know it, was to give midmarket--was to give
25 indicative quotes based on midmarket values?

1 MR. GRUER: In my experience in dealing with them,
2 they would give mid and they would give dealing. Because when I
3 was dealing with them it was in the context of live
4 transactions that needed to be modified, terminated, adjusted.

5 MR. LAWRENCE: So, did you ever get a quote when
6 somebody says, "I need an indicative quote from them"--did you
7 ever go to Wachovia and say, "Hey, I just an indicative quote
8 from you?"

9 MR. GRUER: I did not.

10 MR. LAWRENCE: Now, we're going to go to Slide 6 on
11 your... So, Slide 6 as you described it represents the spot
12 rates as of March 25, 2009 of agencies, CPs and treasuries. Do
13 you see that?

14 MR. GRUER: I do. Broadly. It's not exactly spot rate
15 because these are not plots of zero coupon securities. They're
16 actually current coupon securities so they're yields but...I'm
17 using those two terms right now interchangeably.

18 MR. LAWRENCE: And you've put certain dots on the
19 chart, do you see that?

20 MR. GRUER: Yes, I do.

21 MR. LAWRENCE: And do those dots represent actual
22 trading information for March 25, 2009?

23 MR. GRUER: Yes, they do.

24 MR. LAWRENCE: So, if we see the dot at the 15-year
25 agency, it looks like the yield was 4-1/3 percent?

1 MR. GRUER: Approximately.

2 MR. LAWRENCE: And so, it doesn't even get up to 4-
3 1/2 percent until you're in a 20-year agency, correct?

4 MR. GRUER: That looks about right.

5 MR. LAWRENCE: Okay. But these are based on actual
6 transaction for long-term securities--at least to the extent
7 they show five-year transactions and out?

8 MR. GRUER: Yes.

9 MR. LAWRENCE: So, the forward curve that you utilize
10 is based on long-term rates substantially? Is that fair?

11 MR. GRUER: The forward curve that I used was based
12 on--with respect to this specific analysis--is based on each of
13 the dots in the green line. So, going from three months all the
14 way out to 30 years.

15 MR. LAWRENCE: And most of those dots that are high--
16 you've got five, it looks like five, seven, eight, nine, ten,
17 15, 20, 25 and 30. Am I reading that right?

18 MR. GRUER: That sounds about right.

19 MR. LAWRENCE: And, in fact, if you even just looked
20 at--if you looked at a six-month pitch--sorry, a six-month
21 picture of six-month deliverables, CP would be the cheapest to
22 deliver per your analysis, at least for that first six months,
23 yes?

24 MR. GRUER: Yeah, looking at that for a hypothetical
25 six-month delivery on March 25th, CP would've been more

1 advantageous for a dealer to deliver.

2 MR. LAWRENCE: Did you do any inquiry into how Lehman
3 actually priced the TSA RFA?

4 MR. GRUER: I did not

5 MR. LAWRENCE: So, you didn't take into account that
6 they priced it based on delivering CP?

7 MR. GRUER: I did not, no.

8 MR. LAWRENCE: And did you do any investigation of
9 how Lehman actually performed under the RFA in terms of
10 delivering securities?

11 MR. GRUER: I did not.

12 MR. LAWRENCE: And so, did you take into account that
13 Lehman actually delivered CP every delivery date up until the
14 time of default?

15 MR. GRUER: I became aware of that post report.

16 MR. LAWRENCE: It was not part of your thinking in
17 your report?

18 MR. GRUER: Correct.

19 MR. LAWRENCE: And the forward curve analysis you did
20 is a snapshot of market transactions on a single day, correct?

21 MR. GRUER: Correct. March 25, 2009, to be specific.

22 MR. LAWRENCE: And that forward curve will change day
23 to day, correct?

24 MR. GRUER: An intraday as well.

25 MR. LAWRENCE: And interday, meaning something less

1 than a full day?

2 MR. GRUER: Correct.

3 MR. LAWRENCE: So if we looked at--you would expect
4 the forward curve back in 2002 in the RFA was adopted to be
5 different than the one March 25, 2009, correct?

6 MR. GRUER: Yes, I would expect it to be different.

7 MR. LAWRENCE: And, in fact, if you looked at the
8 forward curve today, which you probably could do the same way
9 you did here, that forward curve would look different than
10 these forward curves? The forward curves that you've created,
11 correct?

12 MR. GRUER: That's correct.

13 MR. LAWRENCE: And the market information would be as
14 of today's market information, correct?

15 MR. GRUER: Correct.

16 MR. LAWRENCE: And as of today, these lines would be
17 substantially lower, wouldn't they? Because right now interest
18 rates continue to be low.

19 MR. GRUER: I'd have to plot it to look at that. I
20 can't say specifically for each data point that it would be
21 higher or lower.

22 MR. LAWRENCE: But you understand interest rates have
23 continued to stay low through--I'm losing track of today's
24 date--November 2014?

25 MR. GRUER: Yes, generally that's true.

1 MR. LAWRENCE: And in terms of the... Let's go back
2 to your report... You actually charted out in the end of your
3 report cash flows from your midmarket analysis, correct?

4 MR. GRUER: Yes, I did.

5 MR. LAWRENCE: Okay. And it's Appendix 3, which looks
6 to be Page 36. Do you have Appendix 3 in front of you?

7 MR. GRUER: Yes, I do.

8 MR. LAWRENCE: Okay. And this is your summary of cash
9 flows where you're comparing the cash flows on the 4.484
10 percent to the cash flows using your agency forward curve,
11 correct?

12 MR. GRUER: That's correct. That's exactly what that
13 is.

14 MR. LAWRENCE: Okay. Now, if we look at the--and the
15 agency floating curve numbers are the floating rate, correct?

16 MR. GRUER: Yes.

17 MR. LAWRENCE: (indiscernible) floating rate. So,
18 what the forward curve was telling us was the rates as of today
19 would be somewhere around--approaching 4.872 percent, is that
20 right? That's what the market expectation was.

21 MR. GRUER: (indiscernible) Yeah. It's a little
22 blurry on the screen.

23 MR. LAWRENCE: Oh, I'm sorry.

24 MR. GRUER: It may be my glasses. Yes, 4.872.

25 MR. LAWRENCE: Okay. And we certainly know that six-

1 month agencies are not paying 4.872 today, correct?

2 MR. GRUER: Correct.

3 MR. LAWRENCE: Six-month CP is not paying 4.72,
4 correct?

5 MR. GRUER: Correct.

6 MR. LAWRENCE: Treasuries are not paying 4.72,
7 correct?

8 MR. GRUER: Correct.

9 MR. LAWRENCE: Treasuries are not paying 4.72,
10 correct?

11 MR. GRUER: Correct.

12 MR. LAWRENCE: In fact, every number that you have
13 here from March '09--we'll give you the March '09 number.
14 Beyond March '09, all these delivery dates, 6-1-09 to 12-1-14,
15 all of those are wrong in terms of what actually would be
16 deliverable as a six-month agency, correct?

17 MR. GRUER: When you say wrong it sounds like you're
18 implying that that's a forecast, which is not what this was
19 intended to be.

20 MR. LAWRENCE: It's not a forecast, it's not a
21 prediction, correct?

22 MR. GRUER: Correct.

23 MR. LAWRENCE: But if we want to do a reality check
24 of your calculations, we could look at the floating rates for
25 six-month agencies and in every case it would be well below the

1 floating rates that you're using, correct?

2 MR. GRUER: These were accurate as of March 25, 2009.

3 MR. LAWRENCE: Right. My question was if we went out
4 and looked at what was the six-month rate on June 2009,
5 December 2009, the six-month deliverable that Lehman was
6 supposed to deliver under the RFA--we've chosen agencies--what
7 actually Lehman could've gone out and purchased would've been
8 substantially lower than the rates you're showing reflecting
9 marketing expectations in March 2009, fair?

10 MR. GRUER: That's fair.

11 MR. LAWRENCE: There's also--the forward curve
12 creates some odd anomalies, doesn't it?

13 MR. GRUER: I don't know that I would call them
14 anomalies but I think I know where you're going with this.

15 MR. LAWRENCE: Well, we can call it whatever you
16 want. But let's look at December 2007. So, we've got June--
17 2017, sorry. And December 2017. We've got interest rates at
18 6.17 percent. Do you see that?

19 MR. GRUER: Yes.

20 MR. LAWRENCE: Then according to this forward curve,
21 the interest rates drop in the next six months to 1.977
22 percent. Do you see that?

23 MR. GRUER: Yes, I do.

24 MR. LAWRENCE: And then according to the forward
25 curve, interest rates go up to 4.5, then 5.6. Do you see that?

1 MR. GRUER: Yes, I do.

2 MR. LAWRENCE: In terms of actual six-month agencies,
3 is that a pattern of dropping from 6.1 to 1.9 and up to 4.5
4 within a year something that you've observed in your history as
5 an investor--as an investment counselor?

6 MR. GRUER: That would represent a big drop, I agree,
7 or a big rise, depending upon which one you're talking about,
8 over that time period. But it's simply an artifact of the
9 calculation methodology and...

10 MR. LAWRENCE: As Mr. Tambe would say, it's the math.

11 MR. GRUER: Yes.

12 MR. LAWRENCE: It's not the reality?

13 MR. GRUER: Well, it's the math. Again, the reality
14 is--we're looking at this four or five years later.

15 MR. LAWRENCE: But anybody--sorry, I didn't mean to
16 interrupt. Did we finish the answer?

17 MR. GRUER: Go ahead. That's fine.

18 MR. LAWRENCE: But anybody looking at this even on
19 March 25th would say, "Eh, that doesn't look right." When you
20 drop from 6.1 to 1.9 and go back up to 4.5 in a 12-month
21 period. In your experience that doesn't look right, does it?

22 MR. GRUER: Well, I noticed those results but I also
23 went back and looked at the data, the actual market data, and
24 you could see that those--what you're referring to, these
25 anomalies--coincide with changes in the shape of the curve for

1 whatever reason that the ten-year was trading particularly rich
2 relative to the rest of the curve at that point in time for
3 whatever reason. And that's just the math just simply falls out
4 where it falls out.

5 MR. LAWRENCE: But it's the math and in your
6 investment experience you haven't seen actually rates that look
7 like that on a six-month basis changing that much?

8 MR. GRUER: No, I have not.

9 MR. LAWRENCE: So, you did the market based on
10 agencies looking at agencies and CP and treasuries bought on a
11 long-term basis in part, correct?

12 MR. GRUER: Can you repeat the question?

13 MR. LAWRENCE: You looked at a forward curve that was
14 developed looking at agencies, CP and treasuries purchased in
15 part on a long-term basis, correct?

16 MR. GRUER: Well, that's the way all forward curves
17 are generated, so yes, I did.

18 MR. LAWRENCE: I'm not saying you did the forward
19 curve wrong.

20 MR. GRUER: Okay.

21 MR. LAWRENCE: I just want to make sure we're on the
22 same page. And do you know whether or not in reality--and,
23 again, let's step out of the math and go back to reality here--
24 whether... Let me step back. In your forward curve evaluation
25 you believe that agencies are going to trade positive to LIBOR,

1 correct?

2 MR. GRUER: Yes.

3 MR. LAWRENCE: Your midmarket valuation is a LIBOR, I
4 think, plus 4.66 percent, correct?

5 MR. GRUER: I don't remember. I never calculate
6 explicitly a spread but it was definitely something LIBOR plus
7 a number.

8 MR. LAWRENCE: And it was, I believe--and I can go
9 back to your deposition--you told me at the deposition it was
10 4.66. Does that sound in the right arena? LIBOR plus 400 basis
11 points?

12 MR. GRUER: No, it wasn't that high.

13 MR. LAWRENCE: Well, maybe we should... We'll get to
14 your deposition in a second.

15 MR. GRUER: Okay.

16 MR. LAWRENCE: But what I want to get at is, as a
17 matter of fact, in terms of how six-month agencies work, is it
18 in your experience that six-month agencies in reality always
19 trade at LIBOR or less than LIBOR?

20 MR. GRUER: They generally have in the past and as
21 of March 25, 2009, there was still uncertainty with respect to
22 the agencies and the state of the U.S. government and what they
23 were going to be doing with the federal agencies and what the
24 ultimate plan was for winding them down, supporting them, etc.
25 And that's what was reflected in those curves.

1 MR. LAWRENCE: But, again, what you're trying to do
2 is--you can do a midmarket valuation but you're also here
3 trying to apply your expertise as a person who's been involved
4 in \$30 billion worth of transactions over many years in the
5 industry, correct?

6 MR. GRUER: Yes.

7 MR. LAWRENCE: And this is a graph from the Curry
8 Hasterok rebuttal report and you've reviewed that rebuttal
9 report, correct?

10 MR. GRUER: Yes, I have.

11 MR. LAWRENCE: And you've seen this graph before,
12 correct?

13 MR. GRUER: Yes. Yes, I did.

14 MR. LAWRENCE: And this is plotting actual six-month
15 agency data, that is, what six-month agencies actually are
16 trading at and what six-month LIBOR has been trading at since
17 October 2002 to August or September of 2013, correct?

18 MR. GRUER: Correct.

19 MR. LAWRENCE: And all along that time, agencies are
20 trading close or below LIBOR, correct?

21 MR. GRUER: Yes.

22 MR. LAWRENCE: So, if you wanted to apply your
23 experience looking at how agencies actually trade, six-month
24 agencies, which is what would be delivered under the RFA--you
25 understand that?

1 MR. GRUER: Yes.

2 MR. LAWRENCE: Six-month agencies deliver--you want
3 to look at that from the experience in the market from October
4 2, '02 to August 2013, that entire experience would tell you
5 that, in fact, agencies are going to be trading at or below
6 LIBOR, correct?

7 MR. GRUER: That they had.

8 MR. LAWRENCE: That they have.

9 MR. GRUER: In the past tense.

10 MR. LAWRENCE: I'm sorry. That they had. Yet in your
11 evaluation, your midmarket evaluation, you're taking an agency
12 as a LIBOR plus security that can be delivered, correct?

13 MR. GRUER: That's correct.

14 MR. LAWRENCE: Okay. And I don't know, do you have
15 your deposition up there? If not I will...

16 MR. GRUER: I don't believe I have it here. Yes, I
17 do.

18 MR. LAWRENCE: Oh, you do? Okay, I will give your
19 Honor--I don't know if your Honor has a copy...

20 THE COURT: Thank you.

21 MR. LAWRENCE: And if you could look to page 133--and
22 I asked you, starting on Line 18, "Utilizing the forward curve,
23 what average rate did you identify would be associated with
24 agencies over the period of the RFA?" Do you see that?

25 MR. GRUER: Yes.

1 MR. LAWRENCE: And you answered, "Approximately, 4.66
2 percent." Do you see that?

3 MR. GRUER: Yes.

4 MR. LAWRENCE: Does that refresh your recollection
5 that your midmarket valuation is using a LIBOR plus 466 basis
6 points valuation?

7 MR. GRUER: No. No.

8 MR. LAWRENCE: What does that tell you?

9 MR. GRUER: I believe that using the forward curve
10 that I generated--using the agency curve, the midmarket rate,
11 fixed rate or average rate of the forwards was 4.66 percent.

12 MR. LAWRENCE: The average rate of the forwards
13 delivered over...?

14 MR. GRUER: The life of the agreement. Not LIBOR plus
15 4.66 percent.

16 MR. LAWRENCE: So that would be more like LIBOR plus
17 about 115 basis points? Does that sound right?

18 MR. GRUER: That sounds, yeah, reasonable.

19 MR. LAWRENCE: But it's clearly LIBOR plus?

20 MR. GRUER: Correct.

21 MR. LAWRENCE: Okay. And I'm sorry if I got confused.

22 MR. GRUER: That's fine.

23 MR. LAWRENCE: Between 466 and 115. Now, in terms of
24 comparing what you did to what Mr. Shapiro and swap did, you
25 agree that in terms of going out and trying to replicate--

1 hypothetically replicate a tobacco RFA in March of 2009, that
2 the basic methodology that Mr. Shapiro used is the right
3 methodology, correct?

4 MR. GRUER: Could you say the methodology--because
5 there a couple of steps that I had some serious disagreement
6 with.

7 MR. LAWRENCE: Right and we'll get to those steps.
8 But basically the idea of using forward curves to determine the
9 cheapest eligible to deliver security and then taking charges
10 for credit, charges for profit, costs, that basic methodology
11 you would agree is the proper way to do a hypothetical
12 replacement RFA?

13 MR. GRUER: Yes, I do.

14 MR. LAWRENCE: And once you have taken--where you
15 dispute or you have a disagreement with Mr. Shapiro is to
16 aspects of it. One is whether commercial paper or agencies is
17 the cheapest to deliver, correct?

18 MR. GRUER: Correct.

19 MR. LAWRENCE: And the second and the big thing is
20 the credit charge, correct?

21 MR. GRUER: Correct.

22 MR. LAWRENCE: So, let's talk about--and I think that
23 we had--and we'll get this up on the screen... Slide Number 12?
24 So this is your evaluation comparing swap and a recalculated
25 swap using your credit charge, correct?

1 MR. GRUER: Correct.

2 MR. LAWRENCE: And you accepted Mr. Shapiro's
3 midmarket number for CP, correct?

4 MR. GRUER: For purposes of this calculation.

5 MR. LAWRENCE: Have you gone back and done any
6 calculation of what the CP spread to LIBOR was on March 25th?

7 MR. GRUER: No.

8 MR. LAWRENCE: And you accepted his dealer profit
9 charges as reasonable, correct?

10 MR. GRUER: I didn't dispute them. I haven't done any
11 dependent verification one way or the other.

12 MR. LAWRENCE: So let's wait till this siren is
13 over... Let's talk about credit, okay?

14 MR. GRUER: Okay.

15 MR. LAWRENCE: Now, you said that you have--zero
16 dollars of your transactions are tobacco RFAs, correct?

17 MR. GRUER: I believe so.

18 MR. LAWRENCE: So, in terms of your experience in
19 dealing with credit, you haven't dealt specifically with an
20 actual transacted tobacco RFA, correct?

21 MR. GRUER: I believe so.

22 MR. LAWRENCE: Okay.

23 MR. GRUER: But I'm not certain.

24 MR. LAWRENCE: Now, did you go back and make an
25 effort to understand the charges that Lehman imposed on this

1 trade in the first instance?

2 MR. GRUER: I did not.

3 MR. LAWRENCE: So I'm going to show you TSA Exhibit
4 B, which is email from the Lehman trader... Sorry. A Lehman
5 trader talking about getting the Washington State TSA, do you
6 see that?

7 MR. GRUER: Yes, I see it now.

8 MR. LAWRENCE: Okay. And the trader is saying, "To
9 mitigate the credit risk involved in the tobacco deals as well
10 as the mandatory cleanup call, we will book a credit mitigation
11 option." Do you see that?

12 MR. GRUER: I do.

13 MR. LAWRENCE: And the credit mitigation option is
14 identified as \$4.522 million, correct? If you look on the right
15 there. Credit mitigation... And I can show you another slide if
16 that doesn't show it to you.

17 MR. GRUER: The handwritten note on the right?

18 MR. LAWRENCE: Yes, yes.

19 MR. GRUER: Okay. I see that.

20 MR. LAWRENCE: Okay. And going back to 12, your
21 credit charge was \$1.275 million, correct?

22 MR. GRUER: That's correct.

23 MR. LAWRENCE: It's substantially below what Lehman
24 charged back in October 2002, correct?

25 MR. GRUER: If that's what they charged.

1 MR. LAWRENCE: Now, how would you compare the credit
2 markets in 2002 compared to 2009? Was credit more stressed in
3 2009 than 2002?

4 MR. GRUER: Generally, yes.

5 MR. LAWRENCE: So, March 2009--and we've talked a lot
6 about it--Lehman had gone bankrupt, there's a lot of other
7 stuff happening in the market, credit was stressed, correct?

8 MR. GRUER: Generally, yes.

9 MR. LAWRENCE: And in your experience is it fair that
10 credit charges in March of 2009, everything else being equal,
11 you came to expect to be larger for similar situations than in
12 2002?

13 MR. GRUER: Generally, yes, but these were not
14 similar situations. We've had...

15 MR. LAWRENCE: Sir, you answered my question.
16 Generally, yes. Mr. Tambe, as the judge might tell you, will
17 have an opportunity to have you explain.

18 MR. GRUER: Okay.

19 MR. LAWRENCE: Did you make any effort to determine
20 what tobacco RFAs were trading at--sorry, were executed at at
21 any level prior to March of 2009 or prior to the crisis?

22 MR. GRUER: No.

23 MR. LAWRENCE: And you said you ran numbers through a
24 Bloomberg program, correct?

25 MR. GRUER: Correct.

1 MR. LAWRENCE: Was that a Bloomberg program that
2 gives you specific information for a tobacco client? In other
3 words, does it have an entry that says this a tobacco client or
4 is this some other kind of client?

5 MR. GRUER: No. It prompts you to put it in a credit
6 spread or a credit curve.

7 MR. LAWRENCE: It puts in the difference, as you
8 said, between what the bond's trading at and what some index
9 is, correct?

10 MR. GRUER: That's correct.

11 MR. LAWRENCE: But it doesn't have an entry that
12 says, okay, this is tobacco as opposed to highways, as opposed
13 to some other kind of municipal entity, correct?

14 MR. GRUER: No.

15 MR. LAWRENCE: Okay. And in doing the credit charge,
16 one of the things that your program wants to know is what is
17 the percentage of recovery in a worst case scenario, correct?

18 MR. GRUER: Yes.

19 MR. LAWRENCE: And that's basically saying, okay,
20 suppose things go bad for the dealer, am I going to lose
21 everything or only part of something or whatever, correct?

22 MR. GRUER: Yes.

23 MR. LAWRENCE: And you used basically a standard
24 recovery rate in your calculation of 60-70 percent?

25 MR. GRUER: It was 40. It was 60 lost, 40 recovered.

1 MR. LAWRENCE: Okay. And I believe we talked about
2 this at your deposition, I remember--and I think at your
3 deposition you understood that it might be more appropriate to
4 use a zero percent recovery, correct?

5 MR. GRUER: Yes.

6 MR. LAWRENCE: And if you use a zero percent recovery
7 that would, of course, increase the credit charge, correct?

8 MR. GRUER: It would. Not materially.

9 MR. LAWRENCE: But it would?

10 MR. GRUER: Yes.

11 MR. LAWRENCE: And in addition to that, one of the
12 credit issues that is specific to these tobacco RFAS is a
13 mandatory cleanup call, correct?

14 MR. GRUER: Yes.

15 MR. LAWRENCE: And there's no button that says
16 there's a mandatory cleanup call option in this investment to
17 calculate credit charge, right? That's not part of the
18 Bloomberg--they don't ask for that separately, correct?

19 MR. GRUER: Well, that's not really credit related,
20 that's really more like an interest rate option than a credit.
21 So it wouldn't be formulated one way or the other into the
22 credit valuation adjustment.

23 MR. LAWRENCE: Lehman talked about it as a credit but
24 I just want to make sure, in terms of the way that the
25 Bloomberg system works there's no button you push that says,

1 "Hey, this has got a mandatory cleanup call" or some similar
2 option in this investment, correct?

3 MR. GRUER: Correct.

4 MR. LAWRENCE: Okay. And the other thing that you
5 didn't consider is that the priority that the dealer would have
6 in terms of getting access to money again, if there was a
7 problem with the bonds--that is that the bondholders would have
8 priority over the proceeds from the master settlement agreement
9 over the dealer, correct?

10 MR. GRUER: Yes.

11 MR. LAWRENCE: And you did not consider that in the
12 credit charge, correct?

13 MR. GRUER: Correct.

14 MR. LAWRENCE: And that certainly puts a dealer in a
15 worse position because his rights are subordinate to the
16 bondholder's, correct?

17 MR. GRUER: Correct.

18 MR. LAWRENCE: And that's a credit issue?

19 MR. GRUER: Yes.

20 MR. LAWRENCE: Okay. Let's go back to your report.
21 And, again, I'm going to go to a chart you had. Now, this is
22 your forward curve chart, correct?

23 MR. GRUER: No, this is the agency curve, just with
24 the other curve stripped out. That's the spot curve...

25 MR. LAWRENCE: Okay, so it's the spot curve. Let's

1 just talk about that 'cause I think the point could be made. I
2 think your testimony when I was getting the 4.66 wrong--your
3 testimony is that the dealer--midmarket value, in terms of the
4 dealer--that the dealer would earn 4.66 percent on the \$45
5 million over the life of the contract, correct?

6 MR. GRUER: I'm sorry, could you repeat that?

7 MR. LAWRENCE: The midmarket valuation that you used,
8 using the agency forward curve, calculated that the dealer were
9 to earn on average 4.66 percent over the life of the contract,
10 correct?

11 MR. GRUER: Yes.

12 MR. LAWRENCE: And if we look at the spot rates for
13 agencies, at what point along the spot rates do you get to 4.66
14 percent?

15 MR. GRUER: Somewhere between 20 and 25 years.

16 MR. LAWRENCE: So if I wanted to go out, put aside
17 any restrictions on my having to turn things over every six
18 months--if I wanted to go out on March 25, 2009 and buy an
19 agency that would deliver 4.66 percent, I'd have to buy one
20 that has a maturity date somewhere 20-25 years out, correct?

21 MR. GRUER: If you wanted to buy a single security,
22 correct.

23 MR. LAWRENCE: Now, in terms of the life of the
24 contract, I just want to make it clear, you used--in your
25 calculation an end date of 2032, correct?

1 MR. GRUER: Correct.

2 MR. LAWRENCE: You think that's the proper date to
3 use?

4 MR. GRUER: I do.

5 MR. LAWRENCE: There's something that least the
6 experts seem to agree on, correct? Yes?

7 MR. GRUER: I believe so.

8 MR. LAWRENCE: Yes, okay. It's good to have some
9 points of agreement. Now, again, you said that you looked at
10 the RFA, correct?

11 MR. GRUER: Yes.

12 MR. LAWRENCE: And you looked at the definition of
13 termination amount, correct?

14 MR. GRUER: I did.

15 MR. LAWRENCE: Before I get there, let me just ask
16 you one thing. There's been some talk in this case about
17 language in the RFA as if it were Lehman. I don't know if
18 you've heard talk about that or not.

19 MR. GRUER: I've heard of it.

20 MR. LAWRENCE: Okay. But I want to make sure--you
21 valuation doesn't take into account the as if it were Lehman
22 language? This is the same valuation as if it were Lehman, as
23 if it were TSA, as it if were Paul Lawrence, right?

24 MR. GRUER: Yes.

25 MR. LAWRENCE: So that language didn't enter into

1 your valuation calculation?

2 MR. GRUER: No, I wouldn't have done it differently.

3 MR. LAWRENCE: You would not have done it differently
4 because of that?

5 MR. GRUER: Correct.

6 MR. LAWRENCE: Okay. So, let's look at the
7 termination amount definition. Do you see that?

8 MR. GRUER: I do.

9 MR. LAWRENCE: Okay. And we'll go down the paragraph
10 talking about total losses and cost. Do you see that? This is
11 Subparagraph 3. Sorry. There we go. Maybe I can't undo this,
12 who knows? Yes, sorry. Technology is great except when it
13 doesn't work. Okay, do you see the paragraph, Sub 3? Sorry. Do
14 you see that?

15 MR. GRUER: I do.

16 MR. LAWRENCE: That's the operative paragraph for how
17 to determine the termination amount, correct? That's your
18 understanding?

19 MR. GRUER: Yes.

20 MR. LAWRENCE: Does this mention anything about
21 forward curves?

22 MR. GRUER: No, it does not.

23 MR. LAWRENCE: Does this describe the industry
24 standard method--midmarket methodology that you utilize?

25 MR. GRUER: It doesn't explicitly.

1 MR. LAWRENCE: When you say it doesn't explicitly, we
2 don't find any of those words in there that say, "Using
3 standard industry methodology," correct?

4 MR. GRUER: No, but I interpret this paragraph to
5 mean--Paragraph 3 as if you're unable to get three quotations
6 you're going to take a method or you're going to use a
7 methodology that will yield you the same result or a similar
8 result.

9 MR. LAWRENCE: Let's follow that up. Because if you
10 went out and you got market quotations, those market quotations
11 would not just be a midmarket value, they would be--if they're
12 real quotations that are actionable, they would be midmarket
13 minus these various costs we've been talking about, correct?

14 MR. GRUER: For where? (indiscernible) transact?

15 MR. LAWRENCE: Yes.

16 MR. GRUER: Yes.

17 MR. LAWRENCE: So, by using simply a midmarket
18 valuation, you're coming up with a lower number than you would
19 expect to get in terms of a market quotation where the dealer
20 was actually going to transact, correct?

21 MR. GRUER: Yes.

22 MR. LAWRENCE: And, again, if Lehman wanted to
23 propose putting into this paragraph some language that said,
24 "Use industry standard valuation methodologies" they could've
25 done so?

1 MR. GRUER: I suppose.

2 MR. LAWRENCE: Okay, let's talk about Section 7.7
3 Losses. I guess every time you get to five you get the garbage
4 trucks and whatever. I believe that is Page 7, Slide 7. You
5 have before you your 7.7 loss calculation, correct?

6 MR. GRUER: Yes.

7 MR. LAWRENCE: Now, this calculation is based on a
8 couple of assumptions on your part, correct?

9 MR. GRUER: Yes.

10 MR. LAWRENCE: It's based on your premise that
11 Washington TSA was required under the RFA to direct the trustee
12 to invest in the highest yielding six-month eligible
13 instrument, correct?

14 MR. GRUER: Yes.

15 MR. LAWRENCE: And that TSA was required to direct
16 the trustee to invest not only in the highest yielding, the one
17 with the longest maturity date... Sorry. Longest maturity date
18 no later than the next bond date, correct?

19 MR. GRUER: Correct.

20 MR. LAWRENCE: So, let's look at Section 7.7 if we
21 can. It's a long contract. Okay, 7.7B is highlighted there. Do
22 you see?

23 MR. GRUER: Yes.

24 MR. LAWRENCE: That's the provision that you're
25 trying to apply, correct?

1 MR. GRUER: Yes.

2 MR. LAWRENCE: And it tells you that in the event of
3 a Lehman default, the amount of losses payable--so equal to the
4 excess of the interest the trustee would have earned on the
5 scheduled reserve. So we all agree on what number that is,
6 correct?

7 MR. GRUER: I believe we do.

8 MR. LAWRENCE: And then it's over the interest the
9 trustee actually earned. Do you see that?

10 MR. GRUER: Yes.

11 MR. LAWRENCE: Okay. And you understand Mr. Shapiro
12 did a 7.7B loss calculation, correct?

13 MR. GRUER: I'm not sure if he did or someone else
14 did it but I can see a calculation.

15 MR. LAWRENCE: Yes. And that was based on what the
16 difference between the 4.48 percent return and what interest
17 the trustee actually earned. Is that your understanding?

18 MR. GRUER: Yes.

19 MR. LAWRENCE: But you believe that it should be
20 based on something that the trustee should have earned even
21 though they didn't actually earn? Is that your understanding?

22 MR. GRUER: The trustee actually earned and then--I
23 believe there's additional language after that--by doing
24 something. Let's see what that something is.

25 MR. LAWRENCE: By investing in a particular way. But

1 I just want to make sure that what you're saying is that the
2 trustee in this case was supposed to do something that they
3 didn't, correct?

4 MR. GRUER: Correct.

5 MR. LAWRENCE: But the actual earnings were directed--
6 --do you know whether or not the actual earnings were directed
7 by TSA?

8 MR. GRUER: I don't.

9 MR. LAWRENCE: But your premise is that they
10 should've done something different than what the trustee
11 actually did, correct?

12 MR. GRUER: Well, they should've done what--invested
13 in accordance with Section 2.4. Did they comply or not to 2.4?

14 MR. LAWRENCE: Well, if you look at 2.4, it says that
15 the TSA is entitled to direct the trustee. Do you recall that?

16 MR. GRUER: If you can bring it up, I'll take a look.

17 MR. LAWRENCE: Pardon my scrolling then.

18 THE COURT: Mr. Lawrence, I'm just going to, while
19 you're scrolling, observe that it's 5:22.

20 MR. LAWRENCE: And I am very close to finishing.

21 THE COURT: Okay.

22 MR. LAWRENCE: Actually, why don't I just leave--
23 you're going to look at these two provisions so I don't need to
24 do that.

25 THE COURT: Well, I would say to you that it's my job

1 to interpret the agreement.

2 MR. LAWRENCE: Yeah. So I can move on.

3 THE COURT: So you could move on, right.

4 MR. LAWRENCE: Okay, the last topic, I believe, is
5 talking about the criticisms of Mr. Curry and Mr. Hasterok. And
6 we've gone through quite a bit of this already with Professor
7 Babbel. I don't know if you were in the room with him when he
8 was here.

9 MR. GRUER: I was for part of it, but also doing
10 other things.

11 MR. LAWRENCE: But you criticize using an average
12 yield of .65 percent over the course of 1909 to... Sorry. It's
13 late. It is late. 2009 to 2032, correct?

14 MR. GRUER: Yes.

15 MR. LAWRENCE: Okay. Now, I think you used the word
16 arbitrary in your testimony with Mr. Tambe, correct?

17 MR. GRUER: Yes.

18 MR. LAWRENCE: Now, the data that they use wasn't
19 arbitrarily chosen, it was chosen because that's what, in fact,
20 the TSA invested in, correct?

21 MR. GRUER: For a very brief period of time. Over a
22 very long-dated contract.

23 MR. LAWRENCE: I understand that. But we're talking
24 about arbitrariness. It was picked for a reason. You may not
25 think it's the right period but it was picked for a reason,

1 correct?

2 MR. GRUER: Yes.

3 MR. LAWRENCE: It was when they actually transacted,
4 correct?

5 MR. GRUER: I don't know the reason they picked it, I
6 just know they picked it for a reason.

7 MR. LAWRENCE: We have four months of when the TSA
8 actually transacted, correct?

9 MR. GRUER: Yes.

10 MR. LAWRENCE: And the forward curve looks at one day
11 of data, correct?

12 MR. GRUER: Yes.

13 MR. LAWRENCE: I have nothing further, your Honor.

14 THE COURT: Okay. Mr. Tambe?

15 MR. TAMBE: Can I have two minutes?

16 THE COURT: Sure.

17 MR. TAMBE: I'll be short. You were asked a question
18 about your credit charge versus some number you were shown on
19 the screen for 2002. Do you remember that?

20 MR. GRUER: Yes.

21 MR. TAMBE: And I believe you began to say, "These
22 are not similar situations." Do you remember that?

23 MR. GRUER: That's correct.

24 MR. TAMBE: Why are they not similar situations?

25 MR. GRUER: Well, in 2002, the transaction was a much

1 longer (indiscernible)...

2 MR. TAMBE: Get closer to the microphone.

3 MR. GRUER: In 2002, the transaction was seven years
4 longer so there would've been more price volatility associated
5 with the transaction. Additionally, in 2002, the interest rate
6 environment was a different interest rate environment, and
7 presumably in 2002, when Lehman Brothers did this transaction
8 they did it for some profit so there was--and I don't know what
9 that valuation was but there was probably some decent profit
10 value in that transaction. Looking at a credit charge, we look
11 at the current valuation of a transaction, which arguably in
12 2002 would've been greater and--

13 MR. TAMBE: Greater from whose perspective?

14 MR. LAWRENCE: May I ask the witness to just speak up
15 a little bit?

16 THE COURT: Just a little bit.

17 MR. GRUER: Oh, I'm sorry.

18 THE COURT: Sorry, the noise outside is...

19 MR. TAMBE: There's lots of noise outside.

20 MR. GRUER: Is this better?

21 MR. TAMBE: Not really.

22 MR. GRUER: When looking at a credit charge, we would
23 look at the current valuation of the agreement as well as the
24 potential for the agreement to go up or down in value. So in
25 2002, presumably the agreement had greater value to Lehman than

1 in 2009, just given where interest rates were. There was more
2 price volatility associated with the agreement in 2002, given--
3 or potential for greater price volatility, given the fact that
4 it was seven years longer in life in 2002 than it was in 2009.
5 While, yes, I agree that the credit spread probably widened
6 between 2002 and 2009 for tobacco, it's not a linear
7 relationship. In fact, when you look at small changes in credit
8 spreads, generally speaking, a small increase in a credit
9 spread will increase the credit charge. But when you look at
10 large increases in credit spreads they don't always translate
11 into larger credit charges. And the reason is--remember, what
12 we're trying to capture is the intersection of when the
13 agreement is in the money or when it's at a high
14 (indiscernible) coupled with the probability of default. So
15 when you have a very strong credit, you generally have a small
16 probability of default, which means the agreement has the
17 potential to move--a lot of times has the ability to elapse
18 generating potentially a greater value of the transaction,
19 given the passage of time.

20 If you're taking a junk credit or a really high-
21 spread credit, in theory, if the agreement has got marginal
22 value or even negative value and with a weak enough credit, you
23 may have an inferred probability of default in a very short
24 order--meaning, the agreement may never actually get positive
25 or get very positive.

1 So, when you're talking about wholesale changes in
2 the credit spreads over a period of time, simply saying that--
3 if I use a 50-basis point credit spread or I use a 400-basis
4 point credit spread, the credit charge--not only would it not
5 be nine or ten times larger, it may actually go down. I mean,
6 you'd have to run the analysis and the calculus to see what the
7 result is because each one of those legs of the calculation
8 that goes into a credit charge is independent of the other. And
9 what we're solving for is the intersection.

10 MR. TAMBE: Just so we're clear, what are the two
11 legs? Describe the two legs. What are the two legs?

12 MR. GRUER: Well, there's the valuation and the
13 potential for there to be valuation to change--either to become
14 positive or to become more positive over the passage of time.
15 And the second one is the probability of default, given the
16 passage of time, based on the credit spread of the particular
17 client.

18 MR. TAMBE: So, just taking those two legs, the value
19 of the transaction versus the probability of default--the bond
20 spread number--Mr. Shapiro's bond spread number--which of those
21 two legs does it correspond to?

22 MR. GRUER: The probability of default.

23 MR. TAMBE: Okay. Does Mr. Shapiro do an analysis off
24 what the value of the transaction is going to be?

25 MR. GRUER: He does not.

1 MR. TAMBE: If you go to Page 12 or Slide 12, the
2 demonstratives. 12. Did you reverse engineer Mr. Shapiro's
3 midmarket number?

4 MR. GRUER: Yes, I did.

5 MR. TAMBE: And does that show a positive value to
6 Lehman or a negative value to Lehman?

7 MR. GRUER: It shows a positive value to Lehman of,
8 approximately, \$45 million.

9 MR. TAMBE: Is that what Line 1 shows? I'm not sure.

10 MR. GRUER: A \$32 million credit charge.

11 MR. TAMBE: Is that a positive value to Lehman or is
12 it a negative value to Lehman?

13 MR. GRUER: Positive value to Lehman.

14 MR. TAMBE: Okay. And why is that a positive value to
15 Lehman?

16 MR. GRUER: Because a \$32 million credit charge based
17 on a 429 basis point credit point spread is what Lehman
18 would've reserved if the value of the agreement was 45 million.

19 MR. TAMBE: You're misunderstanding what I'm saying.

20 MR. GRUER: Okay.

21 MR. TAMBE: I'm not asking you if Lehman had done the
22 transaction this way, it would've been in the money. What I'm
23 saying is the valuation that Mr. Shapiro has done, which is the
24 left hand side column, correct?

25 MR. GRUER: Yes.

1 MR. TAMBE: You take that valuation apart in the
2 right hand column, correct?

3 MR. GRUER: Correct.

4 MR. TAMBE: And I think you talked about this in
5 direct. You're isolating one item in his calculation.

6 MR. GRUER: Correct.

7 MR. TAMBE: And what is that item that you're
8 isolating?

9 MR. GRUER: The credit charge.

10 MR. TAMBE: Okay. If you isolate the credit charge
11 and you isolate the other items, what is the value that Mr.
12 Shapiro places in his calculation on the value of the
13 transaction?

14 MR. GRUER: Midmarket, roughly, 3.7 million before
15 7.7B loss. So about 4.1 or 2.

16 MR. TAMBE: And is that in Lehman's favor or out of
17 Lehman's favor?

18 MR. GRUER: That is out of Lehman's favor.

19 MR. TAMBE: Okay. And does that equate to an exposure
20 or no exposure?

21 MR. GRUER: It equates to no exposure at that point
22 in time.

23 MR. TAMBE: Now going back to your two legs--you've
24 got the 429 basis point spread. Is that first line the first
25 leg off that equation?

1 MR. GRUER: Can you repeat the question?

2 MR. TAMBE: Is the value that we just talked about,
3 the exposure...

4 MR. GRUER: Yes.

5 MR. TAMBE: ...is that the other part of the
6 calculation?

7 MR. GRUER: Yes.

8 MR. TAMBE: And you have to calculate the two of
9 those to do what?

10 MR. GRUER: To determine what the credit charge or
11 credit reserve would be.

12 MR. TAMBE: And is that what the Bloomberg CBA model
13 does?

14 MR. GRUER: Yes.

15 MR. TAMBE: In the document that was shown to you, I
16 believe it was TSA Exhibit B, that's the email--the internal
17 Lehman email from 2002. Do you recall that?

18 MR. GRUER: Yes.

19 MR. TAMBE: There was a discussion on that email
20 about a mandatory cleanup call. Do you see that? We can pull it
21 up. B. The top part of the email, please. When you did your
22 valuation as of March 25, 2009, what end date did you assume
23 for the transaction?

24 MR. GRUER: 2032.

25 MR. TAMBE: Was it your belief that there was a risk

1 in 2009 of a mandatory cleanup call?

2 MR. GRUER: No, I did not.

3 MR. TAMBE: Did you analyze whether or not there was
4 a risk of a mandatory cleanup call at the inception of the
5 transaction?

6 MR. GRUER: I did not analyze it.

7 MR. TAMBE: There were a couple of discussions about
8 4.66--average of 4.66. Do you remember that?

9 MR. GRUER: Yes.

10 MR. TAMBE: If you can turn to your expert report
11 139, Exhibit 139. And go to Page 36, it's Appendix 3. And if
12 you could increase the size of that, please. All the way down.
13 Is 4.66 the average off the numbers that appear in the floating
14 rate column, sir?

15 MR. GRUER: The time-adjusted average, yes.

16 MR. TAMBE: Okay, what do you mean by time-adjusted
17 average?

18 MR. GRUER: It's not simply a linear average by
19 taking all of them and dividing by the number of occurrences.
20 Each one is adjusted by the duration. Because the cash flow in
21 the last period is worth less. It's got a present value
22 reduction factor. So the last period's cash flow would be worth
23 less than the first period's cash flow.

24 MR. TAMBE: You were asked a question about--I forget
25 what word was used--anomaly or an artifact in that column. Do

1 you remember that?

2 MR. GRUER: Yes.

3 MR. TAMBE: Okay. And that was roughly around 2017-
4 2018, do you remember that?

5 MR. GRUER: I do.

6 MR. TAMBE: Can you go back to the spot curves from
7 which this was derived and explained to the court what the
8 relationship is between that spot curve and this artifact or
9 anomaly?

10 MR. GRUER: Sure. If we go to Slide 6--and,
11 unfortunately, I don't have a pointer here but if we look at
12 the--

13 MR. TAMBE: You can step out and point if you like.

14 MR. GRUER: Okay. If we look at the graph of the
15 agency curve, you can see that there's a reflection
16 (indiscernible) between nine and ten years. (indiscernible)
17 visually whether the nine year is higher than the ten-year or
18 they're about the same. But you could see the
19 (indiscernible)... The reasons for that are unknown.
20 (indiscernible) transact that at that point in time. Likewise,
21 between (indiscernible) and both of those flips here translate
22 to the anomalies (indiscernible).

23 THE COURT: Does it have to do with--you're looking
24 at--that's at a 10-year maturity, right?

25 MR. GRUER: This is a 10-year, 9-year.

1 THE COURT: Right. So, does it have to do with the
2 fact that that--if you go back in time, is right around when
3 the markets failed?

4 MR. GRUER: (indiscernible)

5 THE COURT: From March 2005. Okay. Got it.

6 MR. GRUER: So just for whatever reason, on that
7 particular date, you can look--the 10-year was trading
8 (indiscernible) speculation. (indiscernible) at this point was
9 suppressed because that's what the market did. And likewise
10 (indiscernible) in the anomalies (indiscernible).

11 MR. TAMBE: Mr. Gruer, if you were in the market and
12 transacting and you were an end user, would you transact at
13 those spot prices if you were able to transact in long-dated
14 instruments?

15 MR. GRUER: That's where you'd buy or sell.

16 MR. TAMBE: And if you were a market participant that
17 was transacting in the forward market through swaps or some
18 other means, would you transact at the floating rates that are
19 implied by or embedded in that green curve?

20 MR. GRUER: Can you repeat the question?

21 MR. TAMBE: Sure. The forward curve that you've
22 calculated, the floating rate column on Appendix 3--are there
23 market participants who could transact at those prices?

24 MR. GRUER: Yes.

25 MR. TAMBE: On March 25, 2009, correct?

1 MR. GRUER: Yes.

2 MR. TAMBE: And for the people who transacted in the
3 market, were those the prices?

4 MR. GRUER: For midmarket--yeah, that would've
5 been...

6 MR. TAMBE: If you can go to Exhibit Z. And the graph
7 that you were shown was... You can just flip through, I'll tell
8 you when to stop. Okay. If you can just increase the size of
9 that graph. That's a graph that's prepared as of--I'm just
10 looking at the right axis--sometime in 2013, is that right?

11 MR. GRUER: It looks like it's historical data from
12 2002 to '13.

13 MR. TAMBE: Okay, so it's 2013 looking back?

14 MR. GRUER: Correct.

15 MR. TAMBE: Okay. What would you look at if you
16 wanted to look forward in terms of where you expected agency
17 rates to be?

18 MR. GRUER: I would look at the yield curves that we
19 were just looking at before.

20 MR. TAMBE: And was the future relationship of
21 agencies to LIBOR expected to be the same as the historical
22 relationship of agencies to LIBOR?

23 MR. GRUER: Not necessarily.

24 MR. TAMBE: And the market's expectations of what
25 agencies would trade at and where they were trading on March

1 25, 2009 would be collected where?

2 MR. GRUER: In those data points that we used to
3 construct the curve, where actual trades took place.

4 MR. TAMBE: What's one plus one? What's one plus one?

5 MR. GRUER: Two.

6 MR. TAMBE: What's five plus five?

7 MR. GRUER: Ten.

8 MR. TAMBE: What's five plus five?

9 MR. GRUER: Ten.

10 MR. TAMBE: What's 100 plus 100?

11 MR. LAWRENCE: Your Honor, besides being leading,
12 they're argumentative. Don't put your hand up when I'm making--

13 THE COURT: Okay, gentlemen, we're almost done. Mr.
14 Lawrence, have a seat. I don't know where Mr. Tambe's going
15 with this but I am guessing he's going to get there soon or I'm
16 going to get him there soon.

17 MR. TAMBE: So, the last question was what's ten plus
18 ten?

19 MR. GRUER: 20.

20 MR. TAMBE: Was that a leading question? Did I
21 suggest the answer to you, sir?

22 MR. GRUER: No.

23 MR. TAMBE: You knew what the answer was, correct?

24 MR. GRUER: Yes.

25 MR. TAMBE: That's the math, isn't it, sir?

1 MR. GRUER: Yes.

2 MR. TAMBE: And that's the reality?

3 MR. GRUER: Yes.

4 MR. TAMBE: Thank you.

5 MR. LAWRENCE: We won't go through math and reality.

6 THE COURT: Good.

7 MR. LAWRENCE: I have one subject, because we've gone
8 through all this stuff a lot, but I think there was something
9 he said and I just want to clarify. Mr. Tambe asked you about
10 mandatory cleanup calls, correct? You indicated that you had
11 not done any evaluation of the probability of mandatory cleanup
12 call in 2002, correct?

13 MR. GRUER: Correct.

14 MR. LAWRENCE: And it's also correct you didn't go
15 through and try to do an evaluation based on master settlement
16 flows of dollars in your report to determine whether or not
17 there would be potential for a mandatory cleanup call at any
18 time prior to 2032? That's not part of what you did, is that
19 right?

20 MR. GRUER: Well, when I looked at where the credit
21 spread was for tobacco bonds in 2009, that credit spread alone
22 told me that the market wasn't concerned about the bonds being
23 paid back too quickly. They were worried about the bonds being
24 paid back at all.

25 MR. LAWRENCE: My question was did you do an analysis

1 based on the flows of the tobacco payments to the states--and
2 to Washington TSA as to when the bonds would likely be paid off
3 or not? Did you do that evaluation?

4 MR. GRUER: No, I did not.

5 MR. LAWRENCE: That's it. Thank you.

6 MR. TAMBE: No further questions, your Honor.

7 THE COURT: Okay. Mr. Gruer, you're excused. Thank
8 you very much.

9 MR. GRUER: Thank you.

10 THE COURT: Okay, now it's almost a quarter to six.
11 You had wanted us to--me to watch the video, so we have a
12 number of options that include my not watching the video. But
13 I'm happy to do that but we have a lot of housekeeping matters
14 that I want to talk about before everybody runs away. So, what
15 would you like to do?

16 MR. TAMBE: Can we have a sidebar about it, if
17 possible, your Honor?

18 THE COURT: Yes, that's an excellent...

19 MR. LAWRENCE: If it matters (indiscernible) we don't
20 have any objection to them providing the video to you to watch
21 in your chambers.

22 THE COURT: It's been done before and I watch the
23 video before I make a decision. So, we can do that or--I think
24 a little conversation would be a good idea. But I'd like to get
25 this nice person out of here. So let's talk for a few minutes

1 and then we'll get you out of here. And, Emanuel, if you could
2 just stick for a few minutes, okay?

3 Okay, all right. Thank you all very much. Have a
4 seat. So we've conferred about what else parties need to do and
5 I am going to take the video deposition of Mr. Vergara to view
6 on my own before rendering a decision. There is one open item
7 with respect to a possible additional production that Mr. Tambe
8 and Mr. Lawrence know that they are going to work out between
9 the two of them. And the record was left open to the extent
10 that there's any follow-up that needs to be done with respect
11 to that. We have previously discussed that the parties will
12 cooperate with each other on deposition designations, cross-
13 designations and objection to any or all of that. And the
14 parties also, after they have a chance to get some sleep, will
15 determine a schedule for submitting proposed findings of fact
16 in conclusions of law. The way I like it done is findings of
17 fact and briefs that cite to the findings of fact, and I think
18 we talked about it months and months ago that I like--I request
19 findings that are non-advocates. Very accurate findings with
20 record citations to documents and to the transcripts, and we
21 would set a date for closing argument. And also before we would
22 do that, you would advise me as to what exhibits you would like
23 admitted into the record and if there are any objections with
24 respect to the admission of any of the documents.

25 And I think that about wraps it up so that we can

1 close the record. And thank you all very much for your patience
2 and your kindness.

3 MR. LAWRENCE: Thank you, your Honor.

4 THE COURT: And your energy. Thank you. All right?
5 And I'm going to leave it to the two of you to communicate
6 what's going to happen now, okay? All right.

7 MR. TAMBE: Thank you, your Honor.

8 MR. LAWRENCE: Thank you.

9 THE COURT: Emanuel, we're done. We're not going back
10 on the record for today. Thank you so much for staying late.

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I N D E X

MOTIONS

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Motion for judgment in Debtor's favor.
Under rules--Bankruptcy Rule 19-14 and
Bankruptcy Rule 70-52, they have failed
on every element of their burden of proof,
your Honor.

C E R T I F I C A T I O N

I, Sonya Ledanski Hyde, certify that the foregoing transcript
is a true and accurate record of the proceedings.

Sonya
Ledanski Hyde

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